

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\  
 Data File : BF112620.D  
 Acq On : 19 Feb 2019 14:50  
 Operator : JU/SJ  
 Sample : K1515-01MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 19 16:16:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.82  | 152  | 106953   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.10  | 136  | 415788   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.86  | 164  | 205996   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.35 | 188  | 384314   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 14.00 | 240  | 271299   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.47 | 264  | 262275   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.46  | 112  | 819858   | 162.82 | ng    | -0.02    |
| 7) Phenol-d6                | 6.49  | 99   | 1010775  | 144.46 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 668130   | 92.59  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 10.66 | 330  | 322835   | 134.64 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.18  | 172  | 1302311  | 89.41  | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.93 | 244  | 1240107  | 86.09  | ng    | -0.02    |

| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 2.59 | 88   | 96524    | 48.121 | ng    | 95     |
| 3) Pyridine                    | 3.36 | 79   | 262208   | 51.389 | ng    | 97     |
| 4) n-Nitrosodimethylamine      | 3.32 | 42   | 138990   | 64.837 | ng    | 84     |
| 6) Aniline                     | 6.49 | 93   | 386533   | 46.440 | ng    | # 54   |
| 8) 2-Chlorophenol              | 6.62 | 128  | 336004   | 49.604 | ng    | 99     |
| 9) Benzaldehyde                | 6.37 | 77   | 139403   | 38.119 | ng    | 99     |
| 10) Phenol                     | 6.50 | 94   | 405579   | 52.835 | ng    | 99     |
| 11) bis(2-Chloroethyl)ether    | 6.56 | 93   | 293086   | 48.497 | ng    | 96     |
| 12) 1,3-Dichlorobenzene        | 6.76 | 146  | 367362   | 46.568 | ng    | 97     |
| 13) 1,4-Dichlorobenzene        | 6.84 | 146  | 380582   | 46.876 | ng    | 96     |
| 14) 1,2-Dichlorobenzene        | 6.99 | 146  | 352597   | 46.386 | ng    | 94     |
| 15) Benzyl Alcohol             | 6.97 | 79   | 281617   | 47.747 | ng    | 93     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45   | 361588   | 46.599 | ng    | # 24   |
| 17) 2-Methylphenol             | 7.09 | 107  | 259830   | 48.388 | ng    | # 86   |
| 18) Hexachloroethane           | 7.33 | 117  | 139831   | 49.047 | ng    | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70   | 234366   | 48.577 | ng    | 98     |
| 20) 3+4-Methylphenols          | 7.25 | 107  | 344533   | 50.175 | ng    | # 65   |
| 22) Acetophenone               | 7.24 | 105  | 470329   | 46.455 | ng    | # 94   |
| 24) Nitrobenzene               | 7.41 | 77   | 344317   | 47.777 | ng    | 99     |
| 25) Isophorone                 | 7.65 | 82   | 623706   | 55.095 | ng    | 99     |
| 26) 2-Nitrophenol              | 7.73 | 139  | 188073   | 48.833 | ng    | # 90   |
| 27) 2,4-Dimethylphenol         | 7.77 | 122  | 288366   | 54.344 | ng    | 92     |
| 28) bis(2-Chloroethoxy)methane | 7.85 | 93   | 387398   | 50.258 | ng    | 99     |
| 29) 2,4-Dichlorophenol         | 7.98 | 162  | 288133   | 48.522 | ng    | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.05 | 180  | 323089   | 47.334 | ng    | 99     |
| 31) Naphthalene                | 8.13 | 128  | 985261   | 50.672 | ng    | 99     |
| 32) Benzoic acid               | 7.93 | 122  | 118538   | 39.163 | ng    | 98     |
| 33) 4-Chloroaniline            | 8.18 | 127  | 253378   | 29.927 | ng    | 97     |
| 34) Hexachlorobutadiene        | 8.24 | 225  | 188085   | 46.957 | ng    | 98     |
| 35) Caprolactam                | 8.57 | 113  | 50424    | 24.071 | ng    | 98     |
| 36) 4-Chloro-3-methylphenol    | 8.69 | 107  | 297860   | 47.383 | ng    | 95     |
| 37) 2-Methylnaphthalene        | 8.82 | 142  | 703186   | 52.827 | ng    | 97     |
| 38) 1-Methylnaphthalene        | 8.92 | 142  | 653876   | 51.251 | ng    | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.99 | 216  | 318619   | 47.108 | ng    | 98     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\  
 Data File : BF112620.D  
 Acq On : 19 Feb 2019 14:50  
 Operator : JU/SJ  
 Sample : K1515-01MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

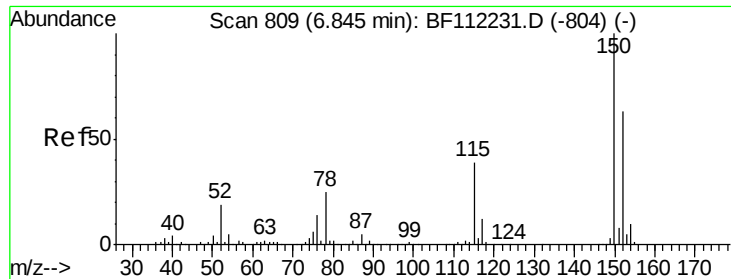
Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 19 16:16:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.97  | 237  | 178136   | 70.742  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.11  | 196  | 194096   | 46.555  | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 9.16  | 196  | 195391   | 44.842  | ng    | 95       |
| 46) 1,1'-Biphenyl              | 9.29  | 154  | 849505   | 47.171  | ng    | 97       |
| 47) 2-Chloronaphthalene        | 9.31  | 162  | 650273   | 46.563  | ng    | 94       |
| 48) 2-Nitroaniline             | 9.42  | 65   | 175946   | 46.224  | ng    | 90       |
| 49) Acenaphthylene             | 9.73  | 152  | 1013276  | 49.503  | ng    | 99       |
| 50) Dimethylphthalate          | 9.58  | 163  | 839669   | 52.463  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.66  | 165  | 169412   | 47.263  | ng    | # 79     |
| 52) Acenaphthene               | 9.90  | 154  | 594862   | 48.649  | ng    | 98       |
| 53) 3-Nitroaniline             | 9.83  | 138  | 115155   | 29.654  | ng    | 85       |
| 54) 2,4-Dinitrophenol          | 9.96  | 184  | 117884   | 102.476 | ng    | 87       |
| 55) Dibenzofuran               | 10.07 | 168  | 878567   | 47.018  | ng    | # 91     |
| 56) 4-Nitrophenol              | 10.02 | 139  | 118333   | 57.637  | ng    | 86       |
| 57) 2,4-Dinitrotoluene         | 10.07 | 165  | 223058   | 48.881  | ng    | # 80     |
| 58) Fluorene                   | 10.42 | 166  | 723560   | 51.745  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.20 | 232  | 176050   | 53.465  | ng    | 97       |
| 60) Diethylphthalate           | 10.28 | 149  | 818076   | 51.506  | ng    | 97       |
| 61) 4-Chlorophenyl-phenylether | 10.40 | 204  | 358111   | 47.080  | ng    | # 89     |
| 62) 4-Nitroaniline             | 10.45 | 138  | 150782   | 39.586  | ng    | 92       |
| 63) Azobenzene                 | 10.56 | 77   | 696050   | 49.829  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.49 | 198  | 93149    | 43.230  | ng    | 95       |
| 66) n-Nitrosodiphenylamine     | 10.52 | 169  | 620264   | 47.888  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.89 | 248  | 217435   | 48.104  | ng    | 91       |
| 68) Hexachlorobenzene          | 10.97 | 284  | 238331   | 49.145  | ng    | 96       |
| 69) Atrazine                   | 11.05 | 200  | 174427   | 41.735  | ng    | 97       |
| 70) Pentachlorophenol          | 11.17 | 266  | 140150   | 74.272  | ng    | 99       |
| 71) Phenanthrene               | 11.38 | 178  | 1000196  | 50.060  | ng    | 99       |
| 72) Anthracene                 | 11.43 | 178  | 1042082  | 52.359  | ng    | 99       |
| 73) Carbazole                  | 11.59 | 167  | 831438   | 42.351  | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.90 | 149  | 1253976  | 51.459  | ng    | 98       |
| 75) Fluoranthene               | 12.57 | 202  | 970574   | 45.291  | ng    | 99       |
| 77) Benzidine                  | 12.69 | 184  | 517703   | 69.331  | ng    | 96       |
| 78) Pyrene                     | 12.80 | 202  | 956287   | 50.912  | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.40 | 149  | 472074   | 51.947  | ng    | 95       |
| 81) Benzo(a)anthracene         | 13.99 | 228  | 813183   | 50.988  | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 13.94 | 252  | 228403   | 38.267  | ng    | 99       |
| 83) Chrysene                   | 14.03 | 228  | 755242   | 49.610  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149  | 721987   | 55.969  | ng    | 97       |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 1129585  | 56.915  | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.99 | 276  | 880201   | 72.968  | ng    | 96       |
| 88) Benzo(b)fluoranthene       | 15.04 | 252  | 750586   | 47.853  | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 15.07 | 252  | 750807   | 49.973  | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.42 | 252  | 737702   | 52.269  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 16.98 | 278  | 735460   | 64.658  | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.43 | 276  | 713753   | 66.510  | ng    | 97       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed



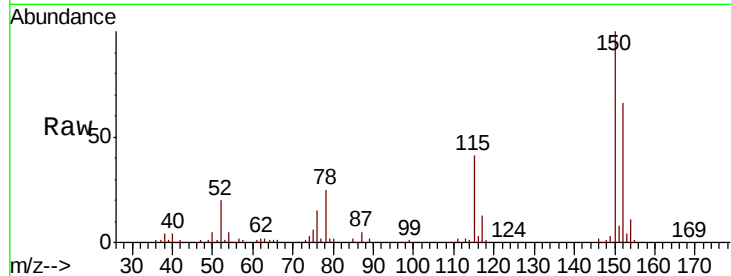


#1

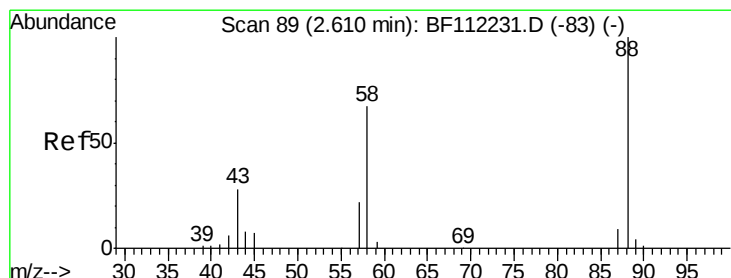
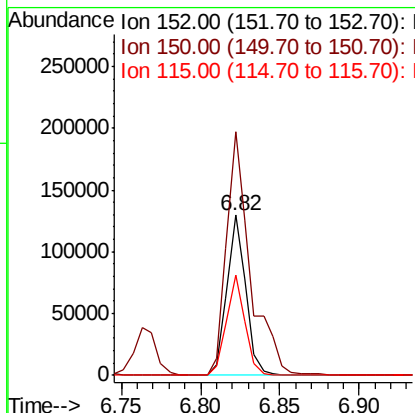
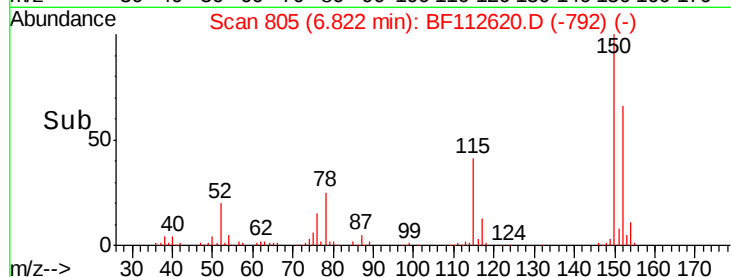
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 106953  
Ion Ratio Lower Upper  
152 100  
150 152.1 127.4 191.0  
115 62.3 45.5 68.3



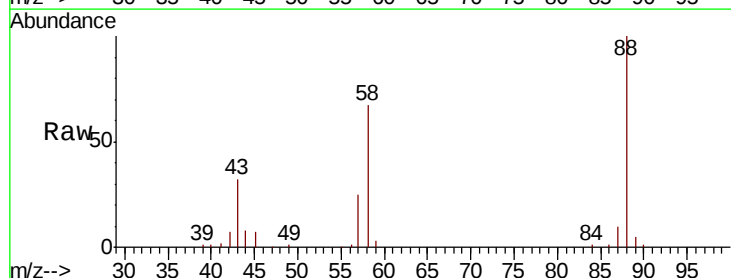
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



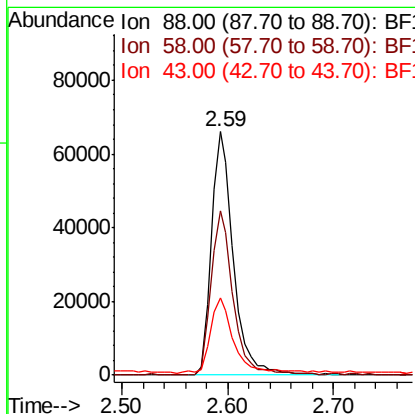
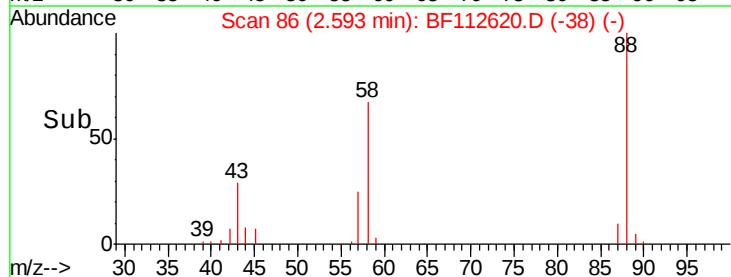
#2

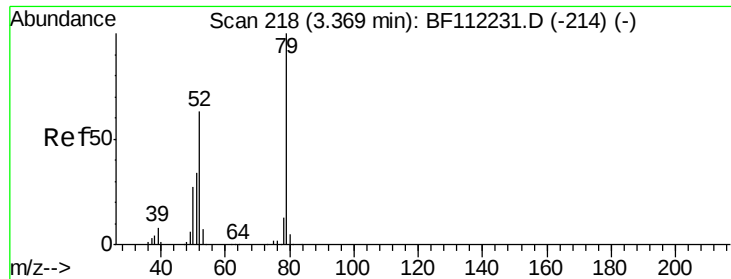
1,4-Dioxane  
Concen: 48.121 ng  
RT: 2.59 min Scan# 86  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Tgt Ion: 88 Resp: 96524  
Ion Ratio Lower Upper  
88 100  
58 68.3 57.4 86.2  
43 32.0 22.2 33.4



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 51.389 ng

RT: 3.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

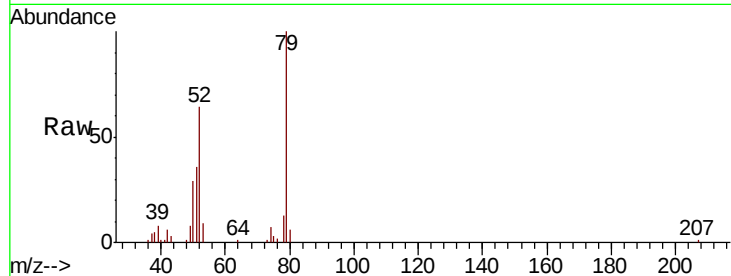
Tot Ion: 79 Resp: 262208

Ion Ratio Lower Upper

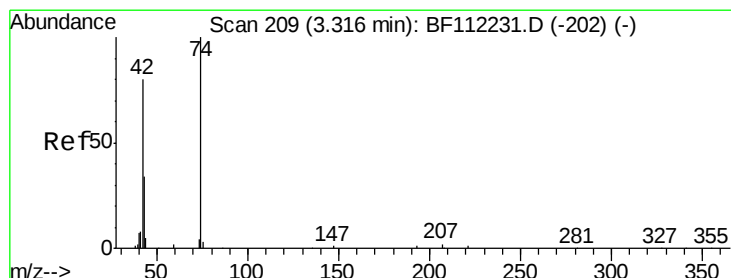
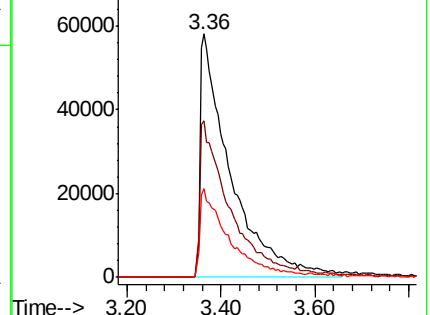
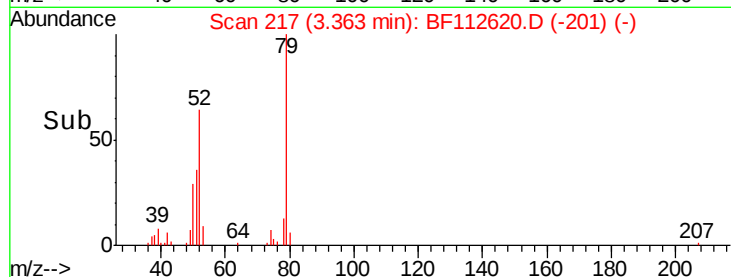
79 100

52 64.3 52.4 78.6

51 36.4 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 64.837 ng

RT: 3.32 min Scan# 209

Delta R.T. 0.00 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

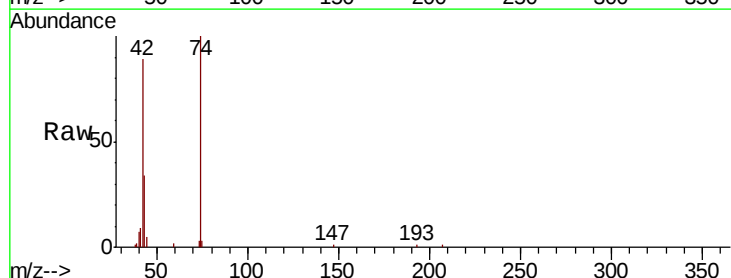
Tgt Ion: 42 Resp: 138990

Ion Ratio Lower Upper

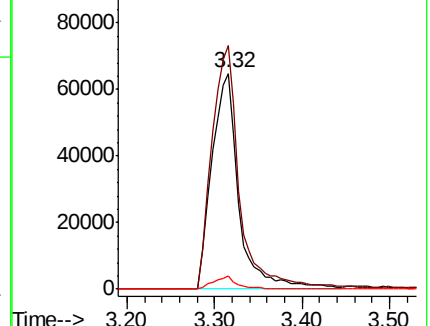
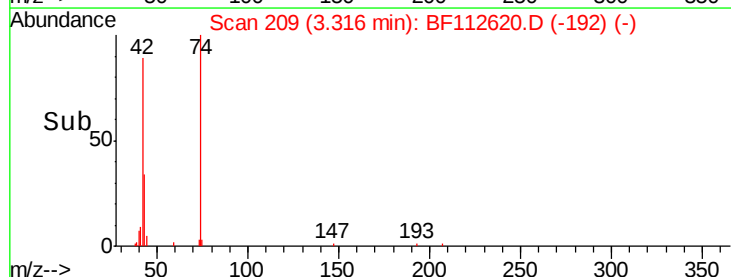
42 100

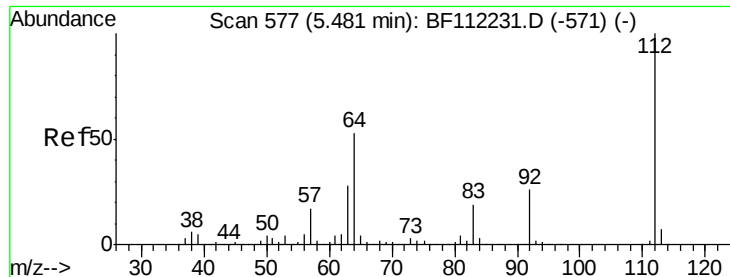
74 112.8 105.6 158.4

44 6.1 5.4 8.2



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 162.822 ng

RT: 5.46 min Scan# 574

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampled :

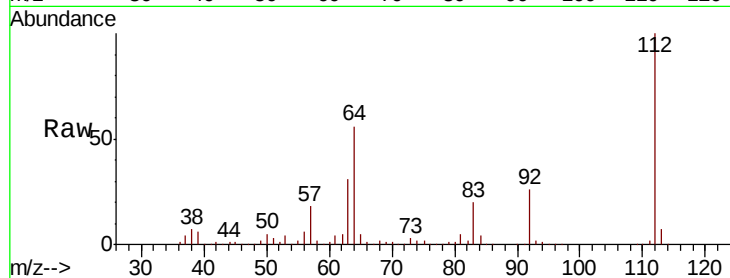
Tot Ion:112 Resp: 819858

Ion Ratio Lower Upper

112 100

64 55.9 45.7 68.5

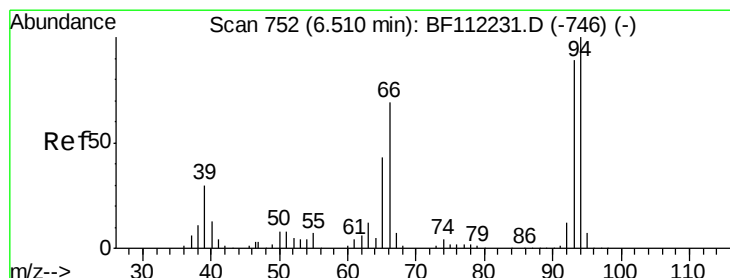
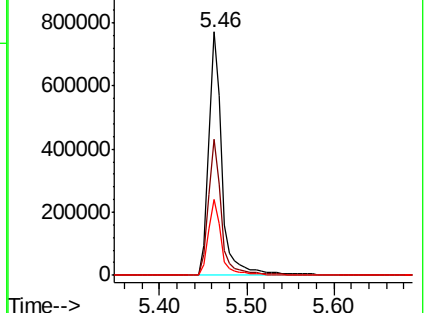
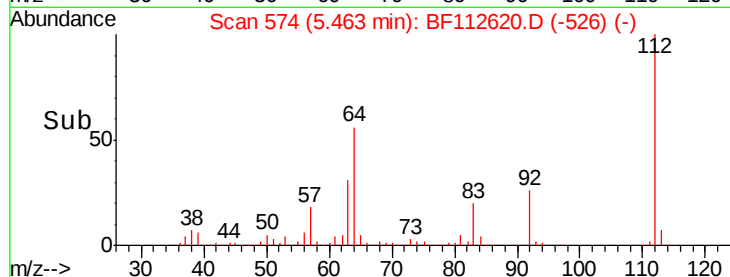
63 31.2 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 46.440 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

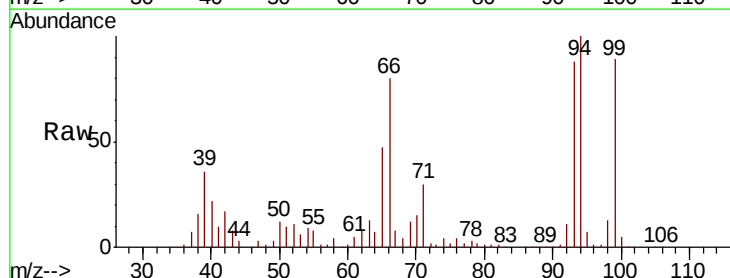
Tgt Ion: 93 Resp: 386533

Ion Ratio Lower Upper

93 100

66 90.7 43.4 65.2#

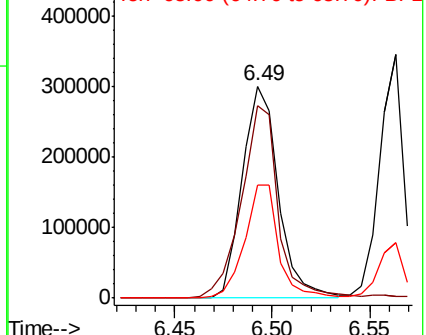
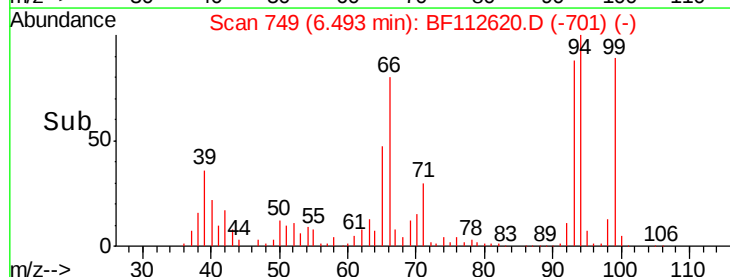
65 53.4 25.3 37.9#

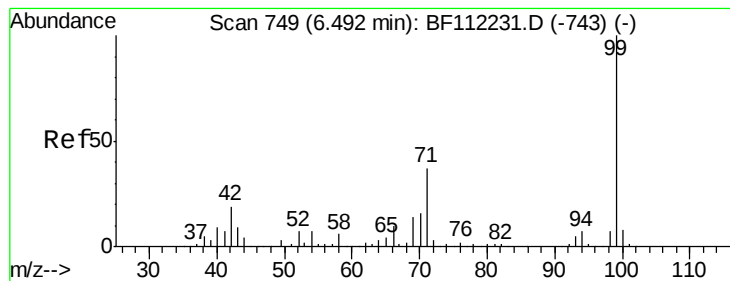


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 144.462 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampled :

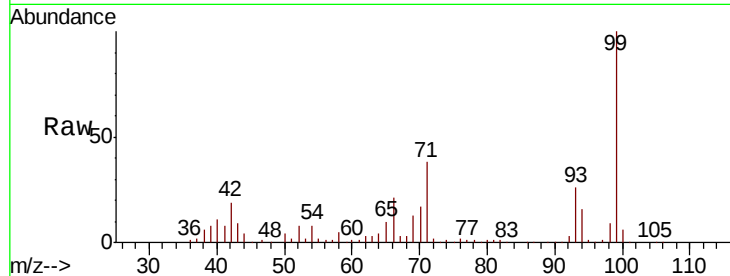
Tot Ion: 99 Resp: 1010775

Ion Ratio Lower Upper

99 100

42 19.3 15.1 22.7

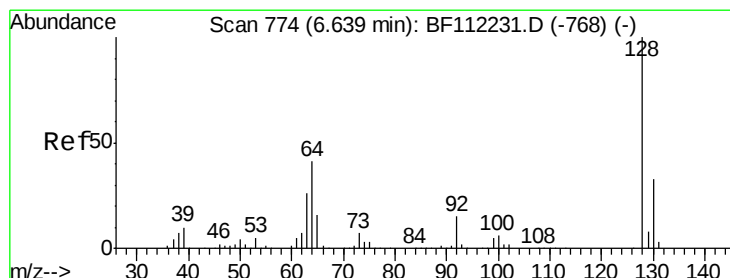
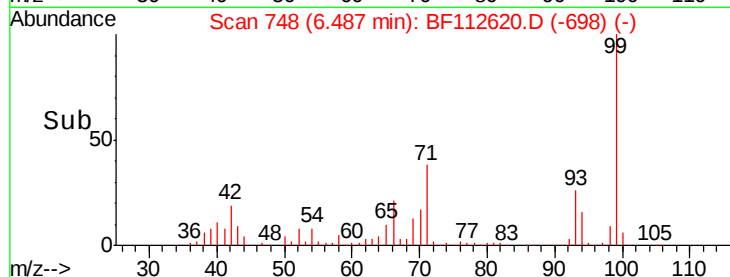
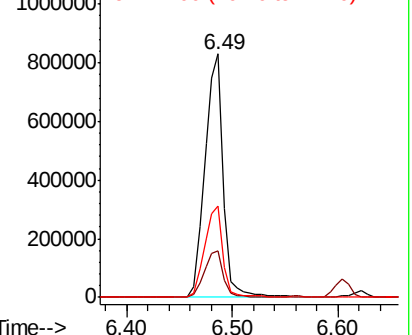
71 37.7 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 49.604 ng

RT: 6.62 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

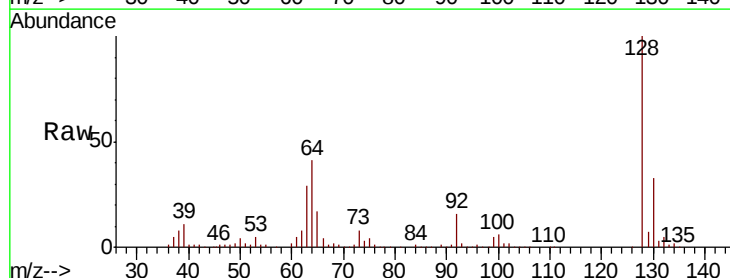
Tgt Ion:128 Resp: 336004

Ion Ratio Lower Upper

128 100

130 32.7 13.4 53.4

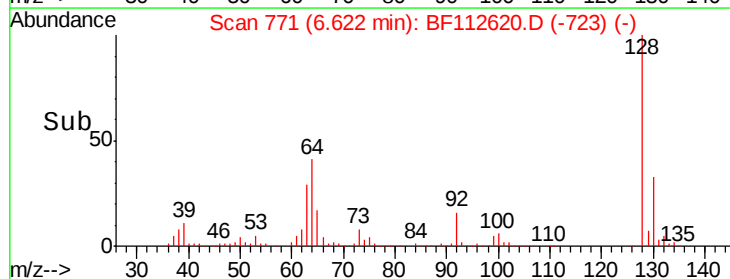
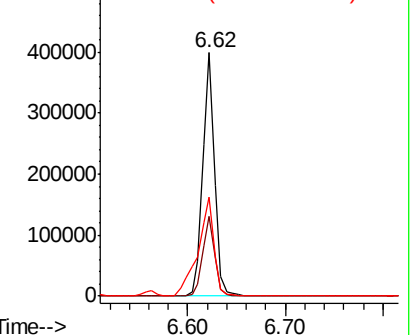
64 40.8 20.5 60.5

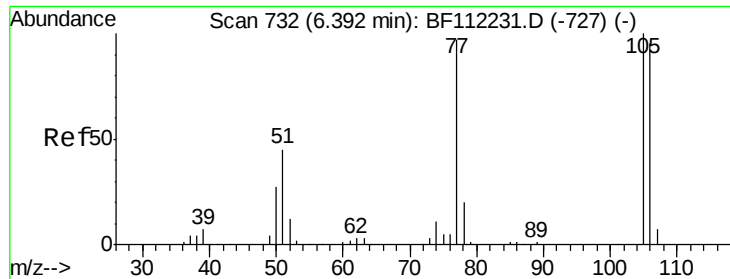


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 38.119 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

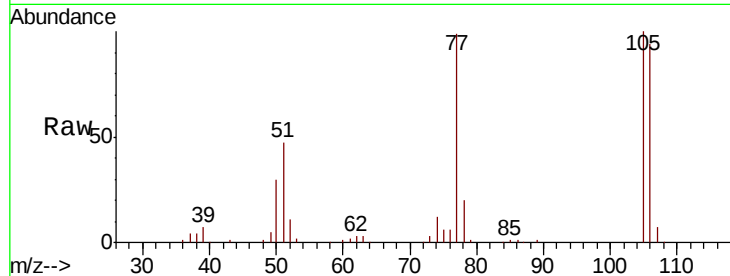
Tot Ion: 77 Resp: 139403

Ion Ratio Lower Upper

77 100

105 101.4 80.8 120.8

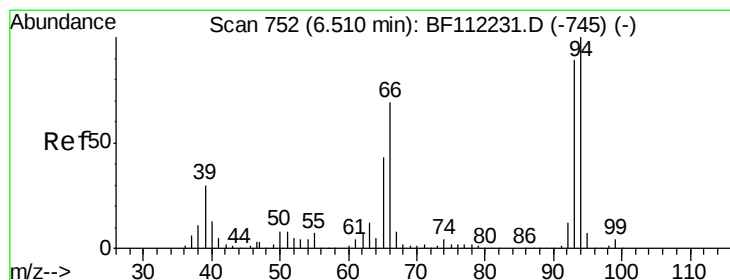
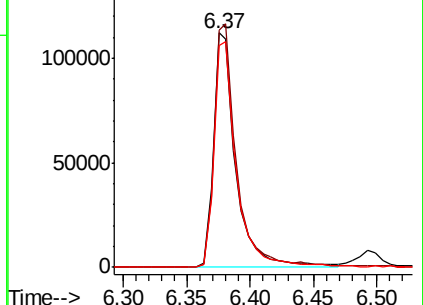
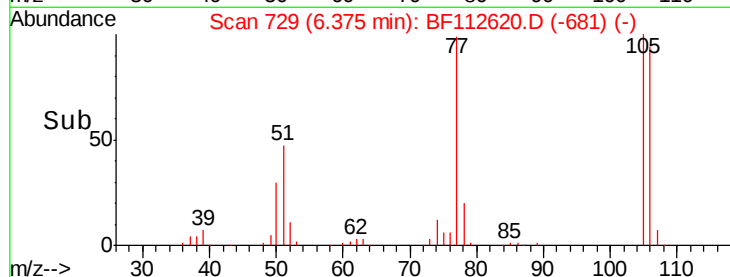
106 95.0 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 52.835 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

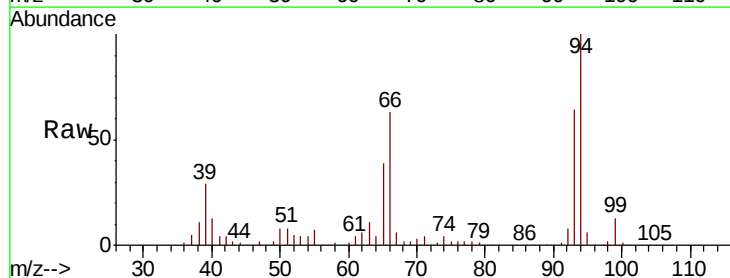
Tgt Ion: 94 Resp: 405579

Ion Ratio Lower Upper

94 100

65 38.8 20.3 60.3

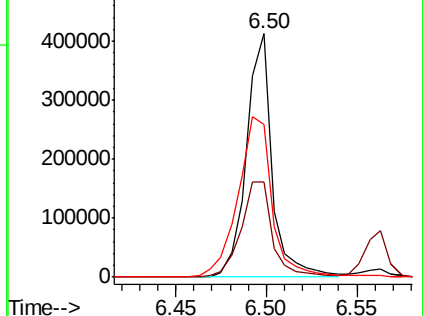
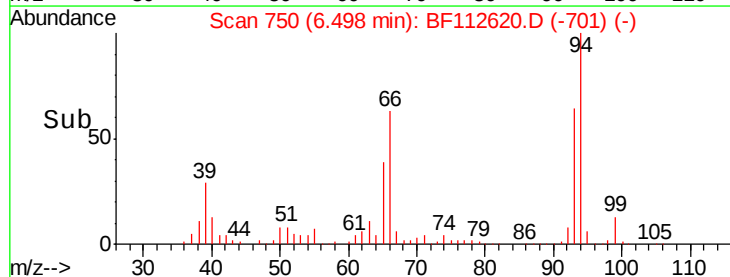
66 63.0 42.4 82.4

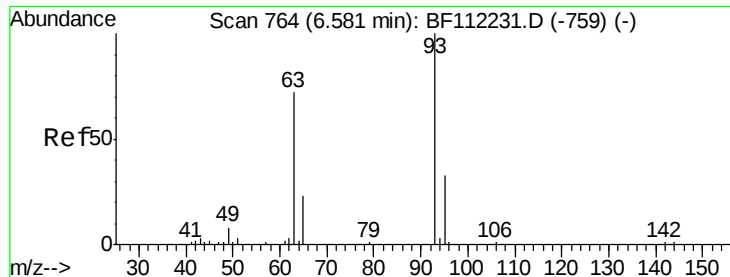


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

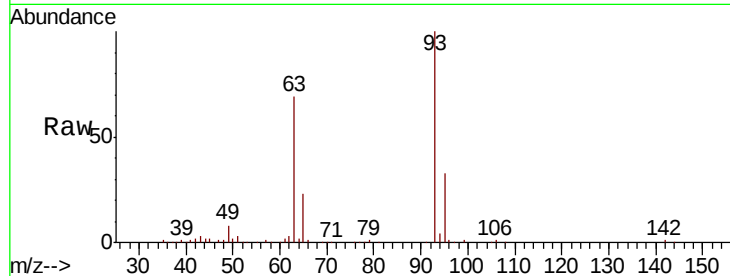




#11  
bis(2-Chloroethyl)ether  
Concen: 48.497 ng  
RT: 6.56 min Scan# 761  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 69.3  | 53.3  | 93.3  |
| 95      | 32.9  | 13.4  | 53.4  |

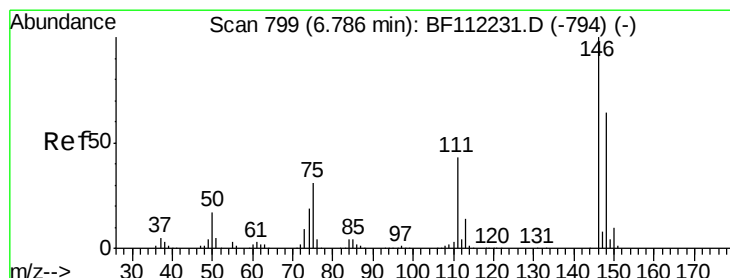
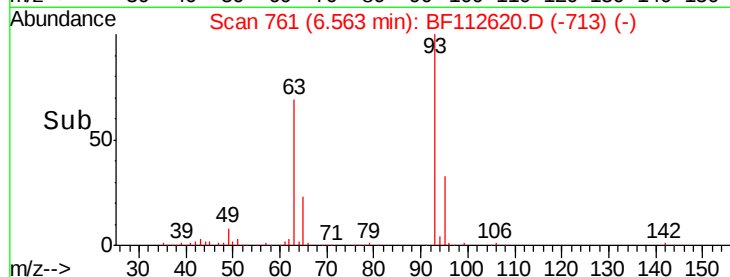
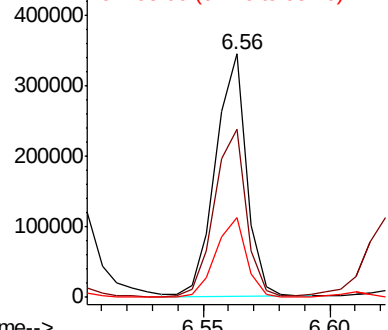


Abundance

Ion 93.00 (92.70 to 93.70): BF1

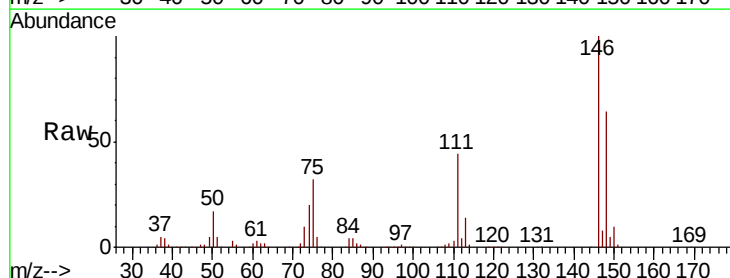
Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12  
1,3-Dichlorobenzene  
Concen: 46.568 ng  
RT: 6.76 min Scan# 795  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.5  | 51.8  | 77.8  |
| 75      | 31.6  | 23.1  | 34.7  |

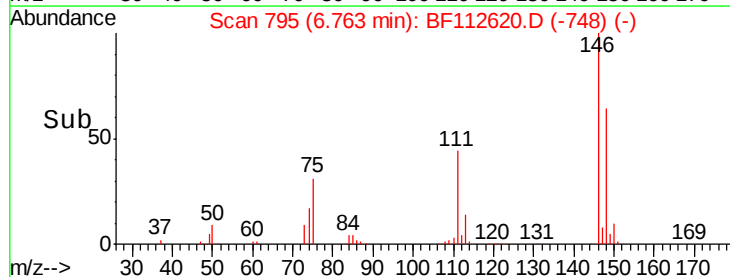
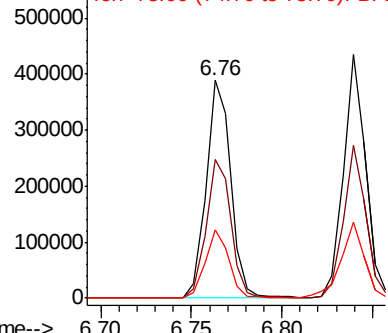


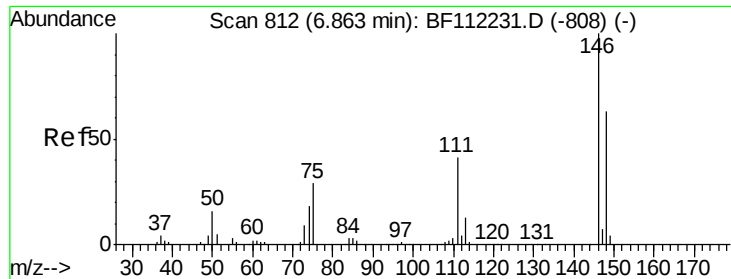
Abundance

Ion 146.00 (145.70 to 146.70): BF1

Ion 148.00 (147.70 to 148.70): BF1

Ion 75.00 (74.70 to 75.70): BF1

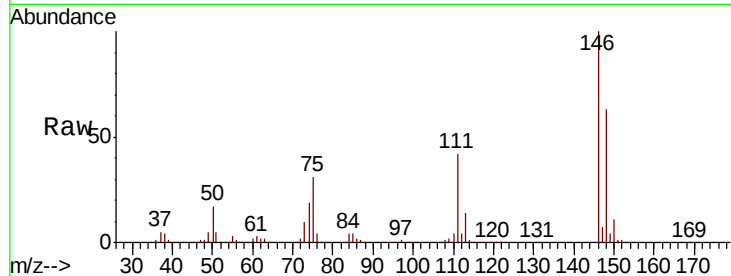




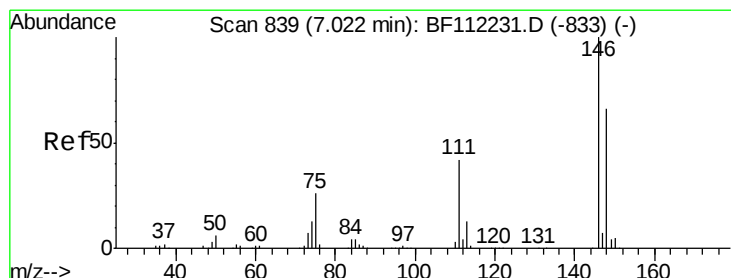
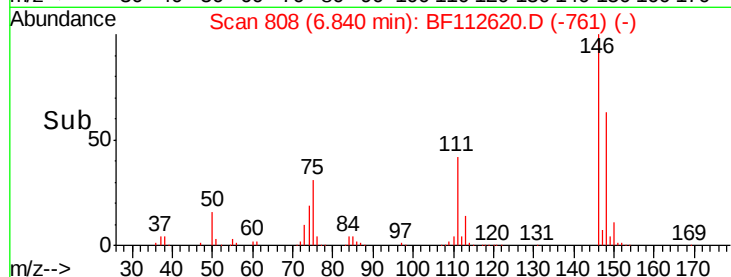
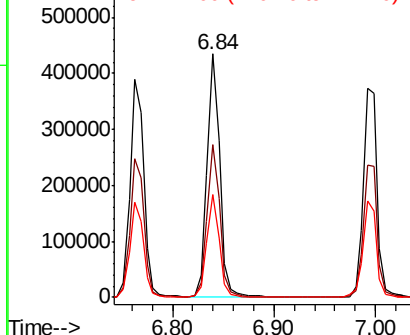
#13  
 1,4-Dichlorobenzene  
 Concen: 46.876 ng  
 RT: 6.84 min Scan# 808  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:146 Resp: 380582  
 Ion Ratio Lower Upper  
 146 100  
 148 62.9 52.0 78.0  
 111 42.3 31.2 46.8

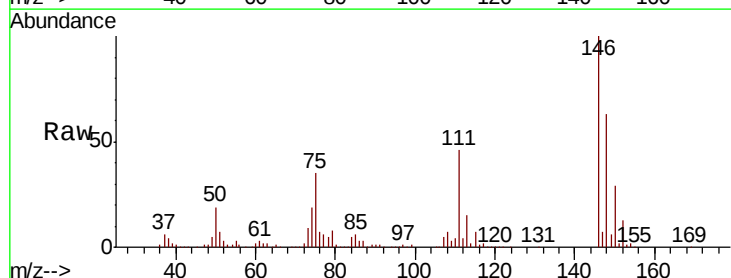


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

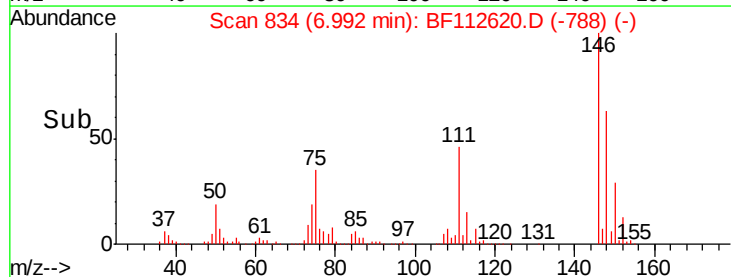
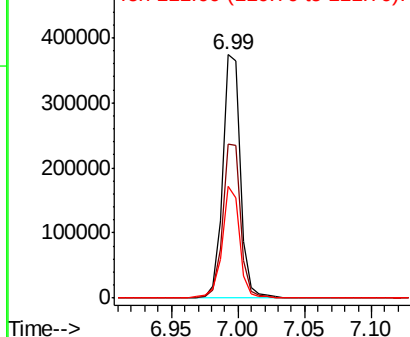


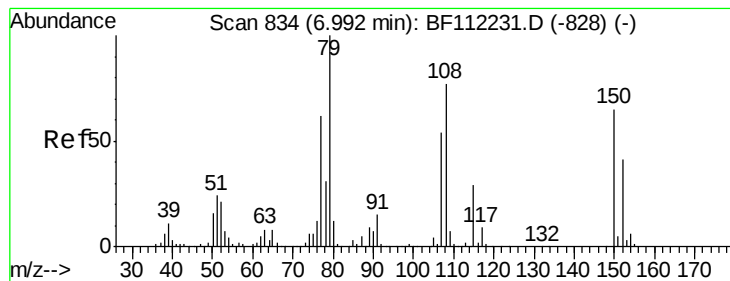
#14  
 1,2-Dichlorobenzene  
 Concen: 46.386 ng  
 RT: 6.99 min Scan# 834  
 Delta R.T. -0.03 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Tgt Ion:146 Resp: 352597  
 Ion Ratio Lower Upper  
 146 100  
 148 63.2 52.2 78.4  
 111 46.0 31.2 46.8



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 47.747 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

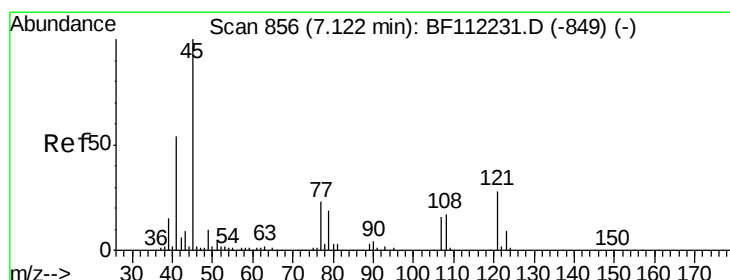
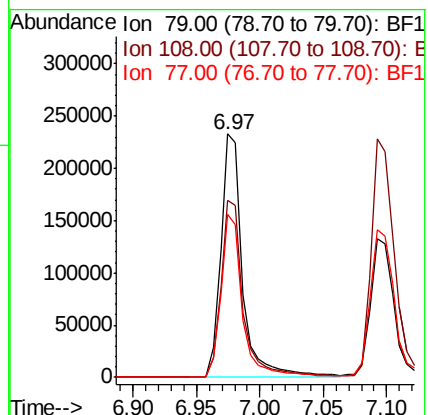
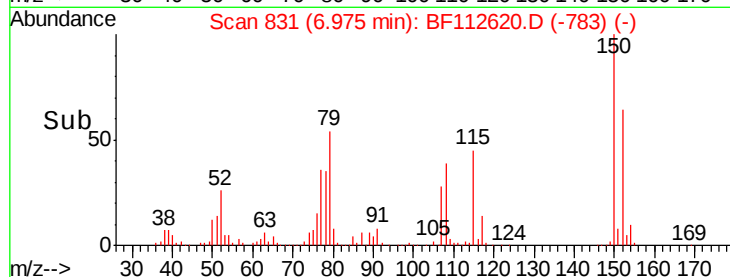
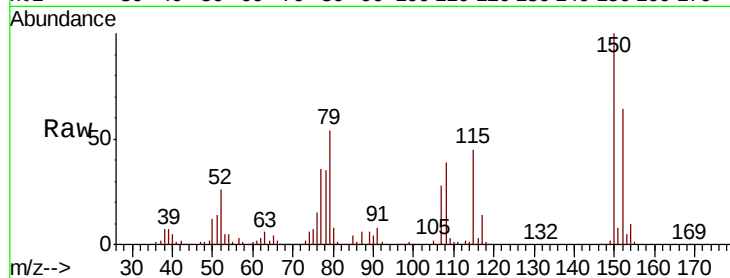
Tot Ion: 79 Resp: 281617

Ion Ratio Lower Upper

79 100

108 72.8 64.2 96.2

77 67.1 50.3 75.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 46.599 ng

RT: 7.10 min Scan# 852

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

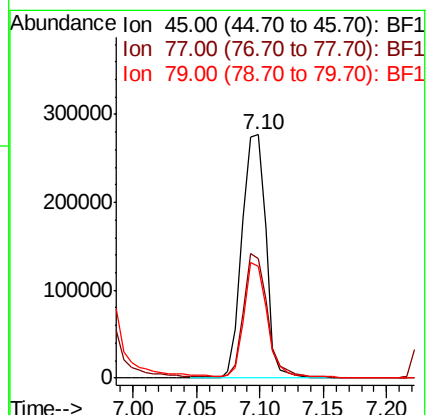
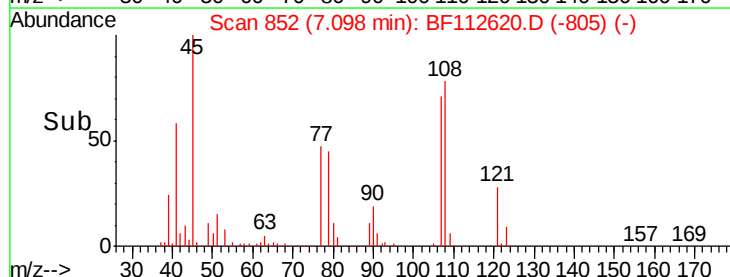
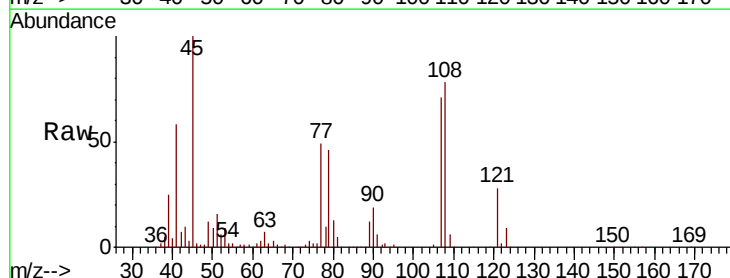
Tgt Ion: 45 Resp: 361588

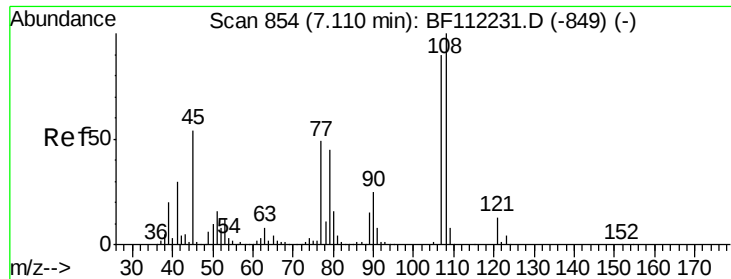
Ion Ratio Lower Upper

45 100

77 48.9 0.0 36.9#

79 45.9 0.0 34.0#

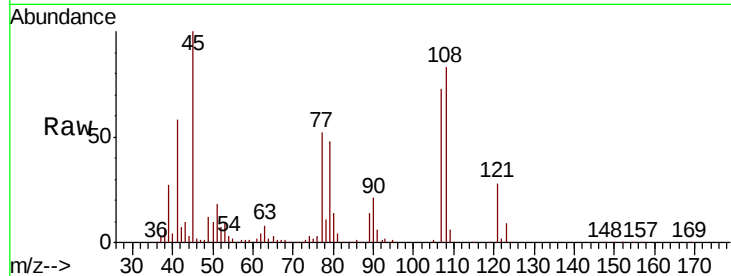




#17  
2-Methylphenol  
Concen: 48.388 ng  
RT: 7.09 min Scan# 851  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 113.6 | 91.3  | 136.9 |
| 77      | 70.3  | 39.0  | 58.6  |
| 79      | 65.7  | 37.0  | 55.4  |



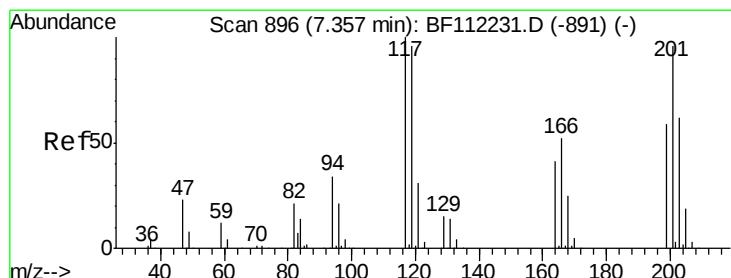
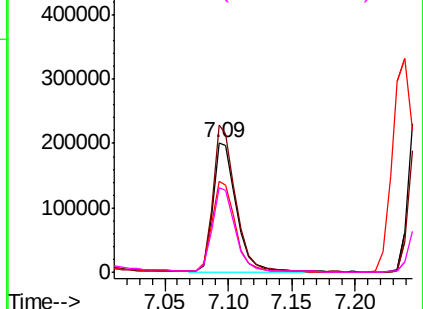
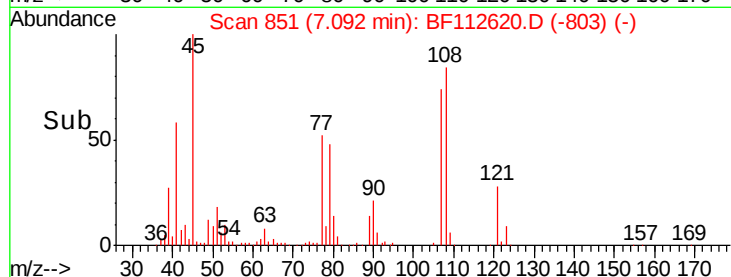
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

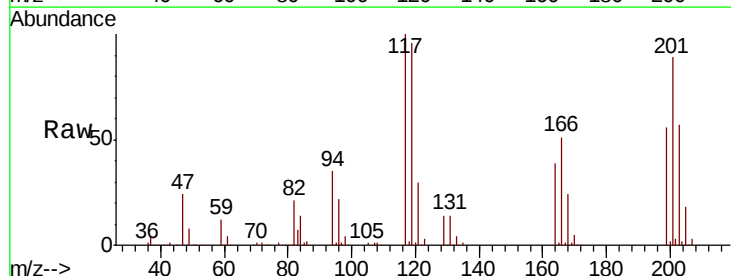
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18  
Hexachloroethane  
Concen: 49.047 ng  
RT: 7.33 min Scan# 891  
Delta R.T. -0.03 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.8  | 77.0  | 115.4 |
| 201     | 88.8  | 74.1  | 111.1 |

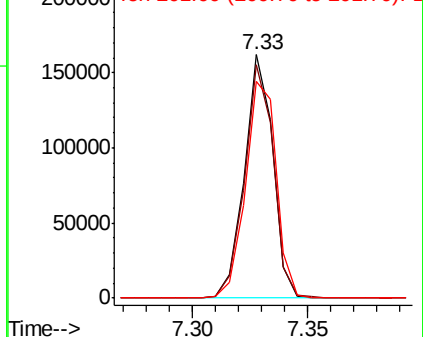
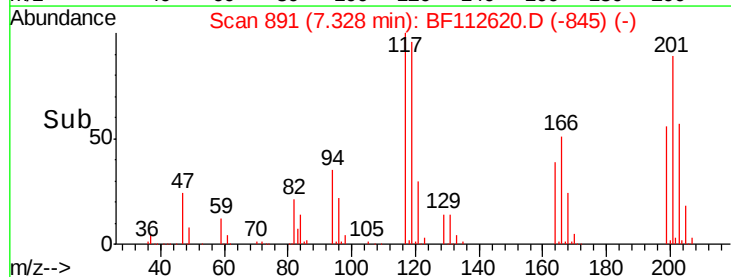


Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

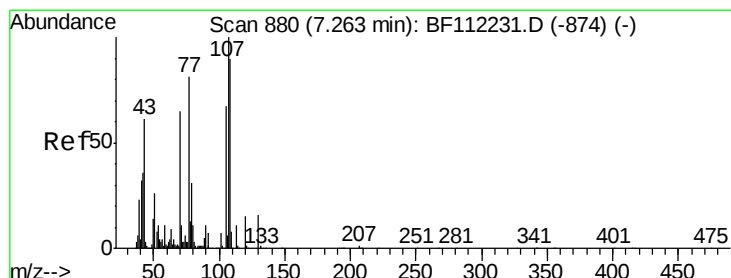
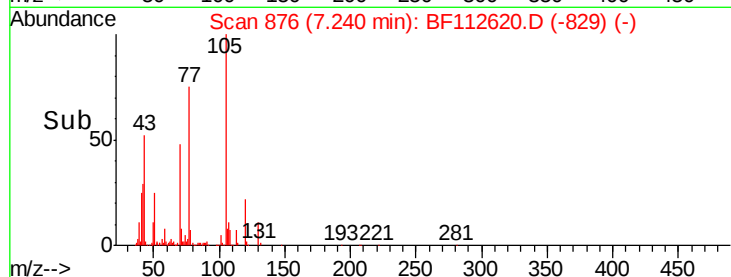
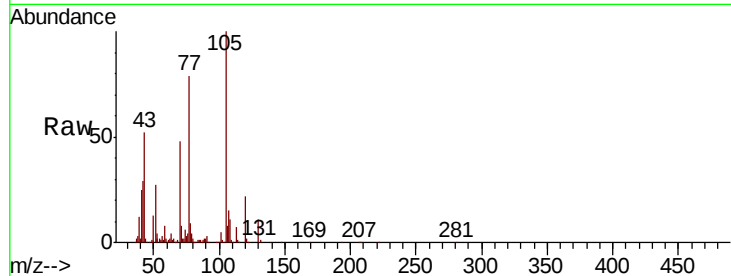
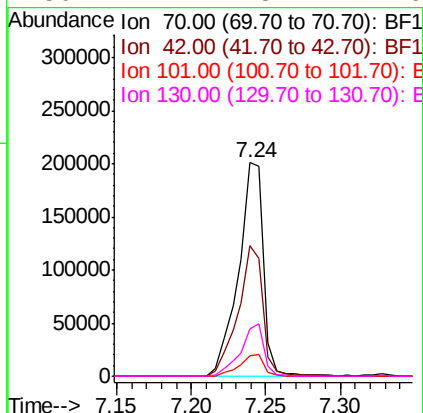




#19  
n-Nitroso-di-n-propylamine  
Concen: 48.577 ng  
RT: 7.24 min Scan# 876  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

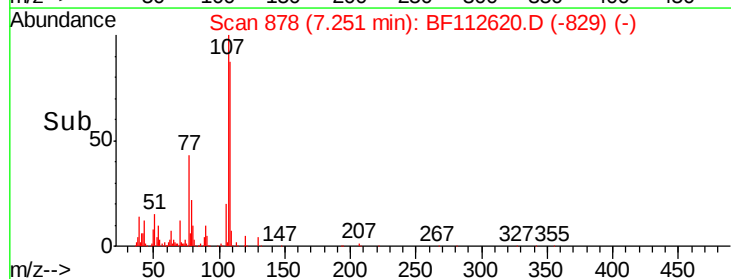
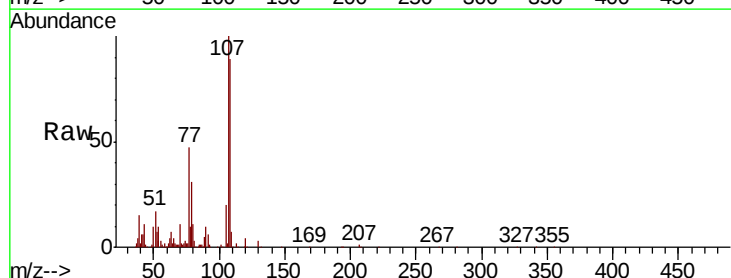
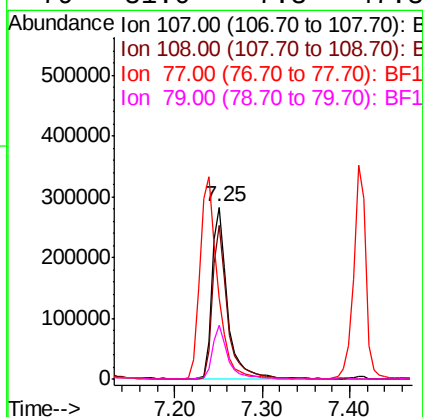
Instrument :  
BNA\_F  
ClientSampleId :

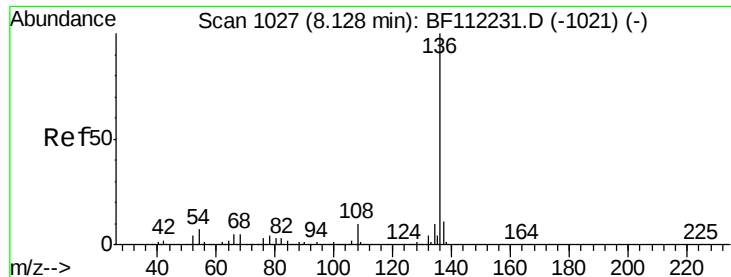
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 61.2 | 47.6  | 71.4  |       |
| 101     | 9.9  | 7.9   | 11.9  |       |
| 130     | 22.1 | 18.4  | 27.6  |       |



#20  
3+4-Methylphenols  
Concen: 50.175 ng  
RT: 7.25 min Scan# 878  
Delta R.T. -0.01 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 89.1 | 68.2  | 108.2 |       |
| 77      | 47.3 | 100.7 | 140.7 |       |
| 79      | 31.0 | 7.3   | 47.3  |       |

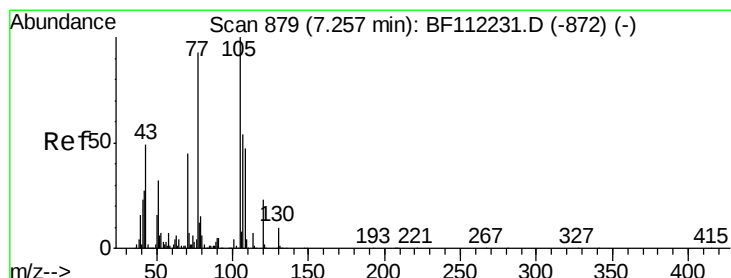
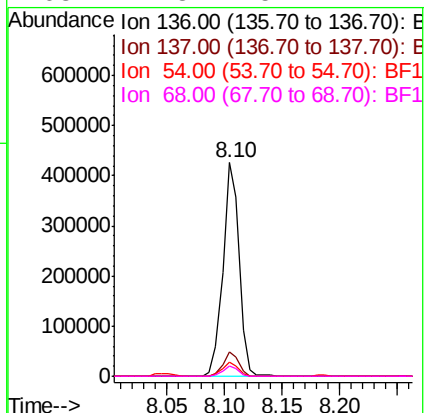
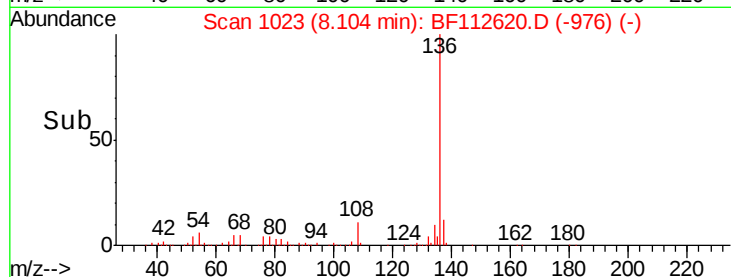
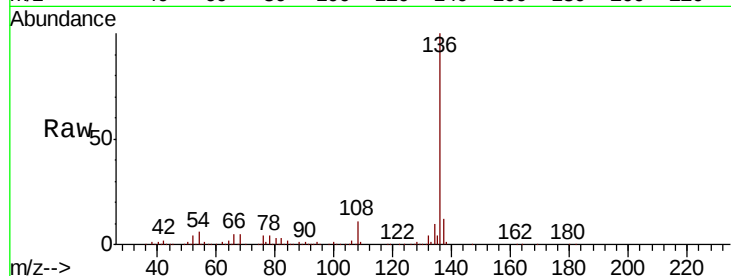




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

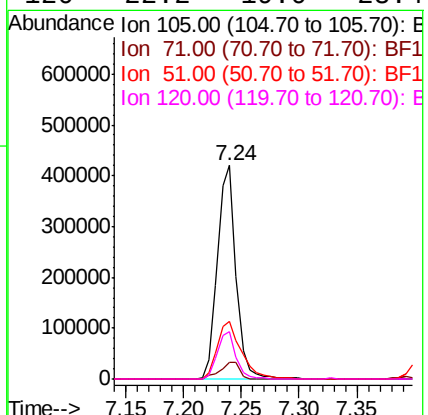
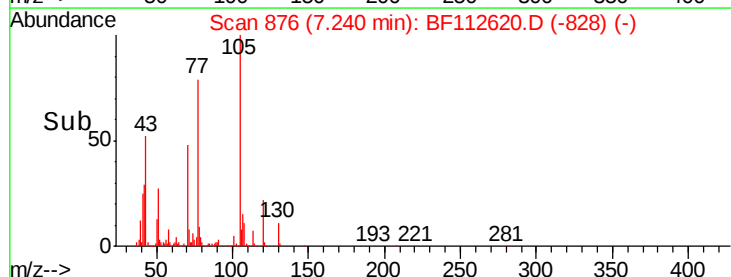
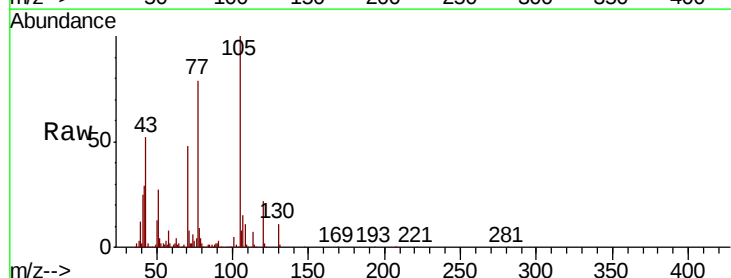
Instrument :  
BNA\_F  
ClientSampleId :

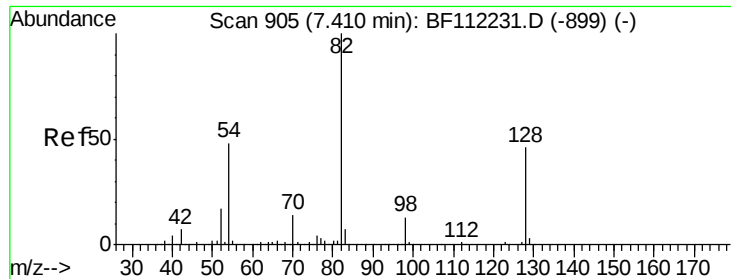
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 415788   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.5  | 9.1 13.7 |
| 54          | 6.4   | 5.9 8.9  |
| 68          | 4.8   | 5.1 7.7# |



#22  
Acetophenone  
Concen: 46.455 ng  
RT: 7.24 min Scan# 876  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 470329    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 7.9   | 4.6 6.8#  |
| 51          | 27.0  | 25.0 37.6 |
| 120         | 22.2  | 19.0 28.4 |

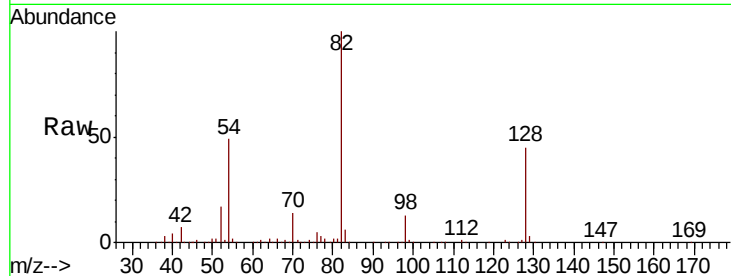




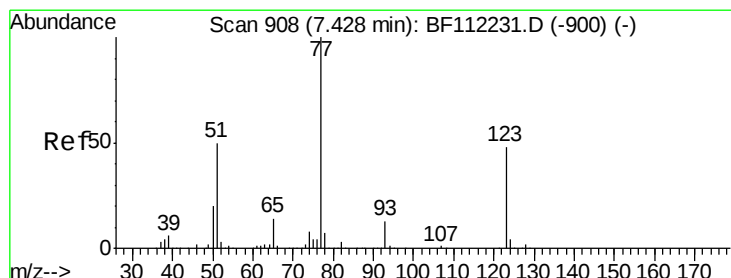
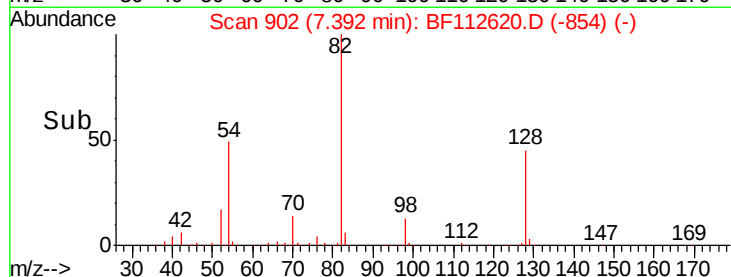
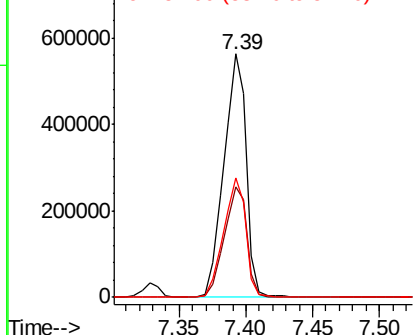
#23  
 Nitrobenzene-d5  
 Concen: 92.589 ng  
 RT: 7.39 min Scan# 902  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 668130 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.2  | 37.8  | 56.8   |
| 54        | 49.0  | 39.7  | 59.5   |

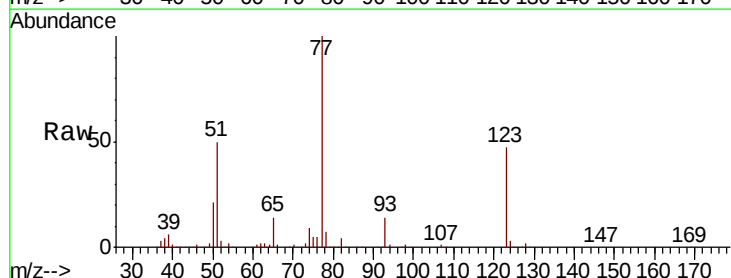


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

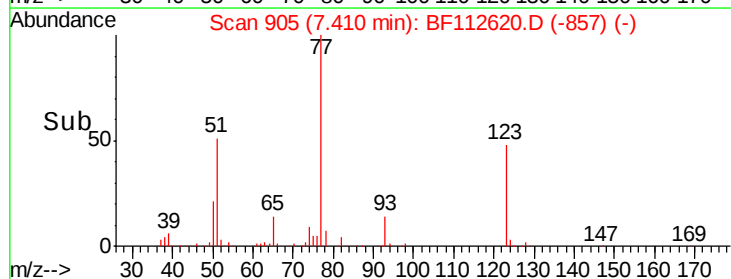
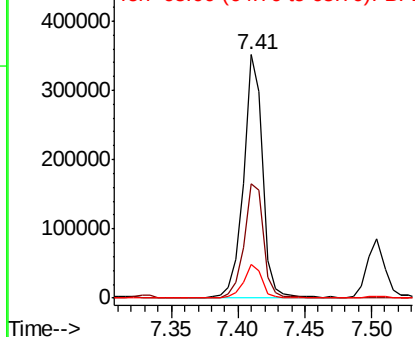


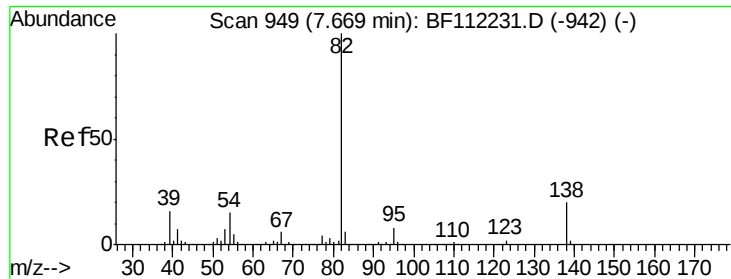
#24  
 Nitrobenzene  
 Concen: 47.777 ng  
 RT: 7.41 min Scan# 905  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

| Tgt Ion   | 77    | Resp  | 344317 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 47.2  | 38.4  | 57.6   |
| 65        | 13.8  | 10.6  | 15.8   |



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 55.095 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

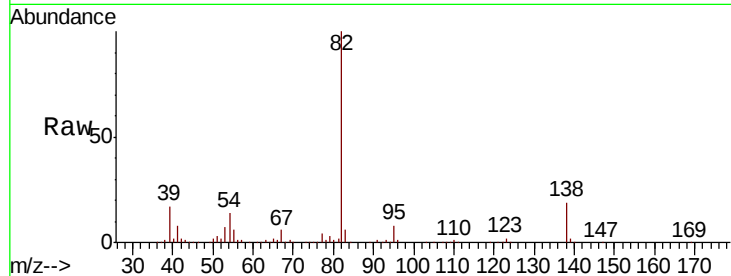
Tot Ion: 82 Resp: 623706

Ion Ratio Lower Upper

82 100

95 7.8 5.7 8.5

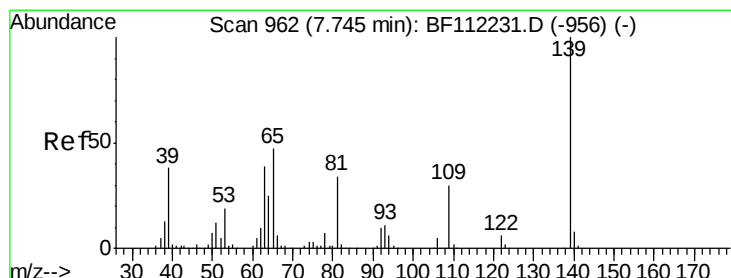
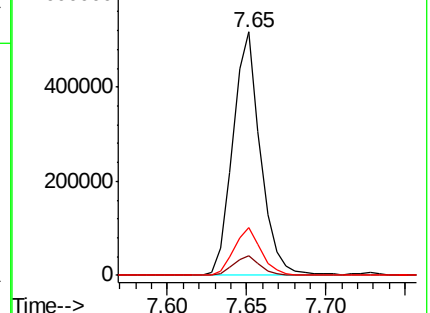
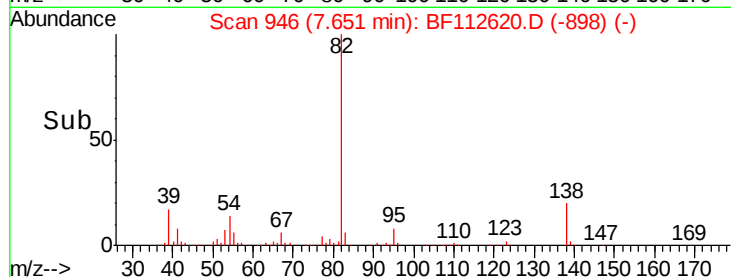
138 19.4 15.4 23.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 48.833 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

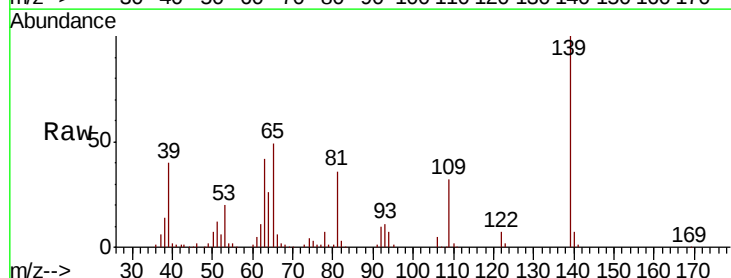
Tgt Ion: 139 Resp: 188073

Ion Ratio Lower Upper

139 100

109 32.2 20.8 31.2#

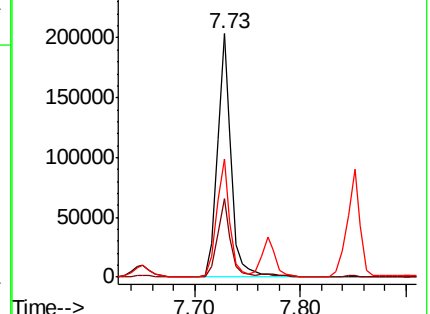
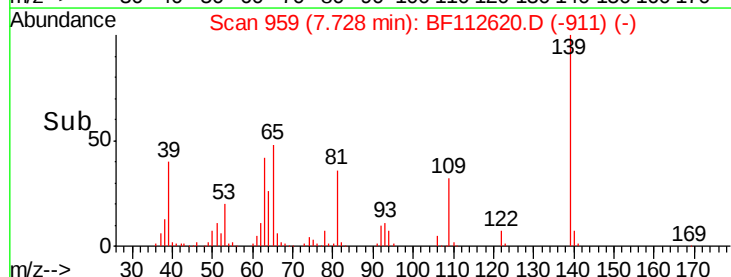
65 48.5 34.4 51.6

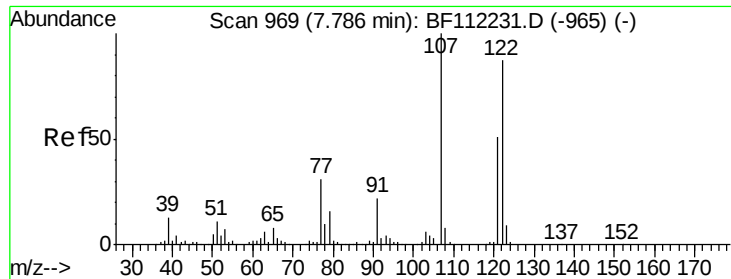


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 54.344 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

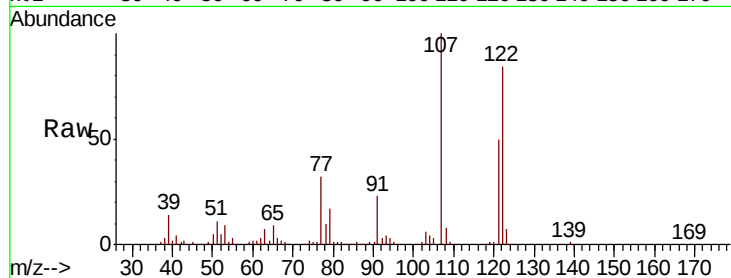
Tot Ion:122 Resp: 288366

Ion Ratio Lower Upper

122 100

107 118.3 85.4 128.0

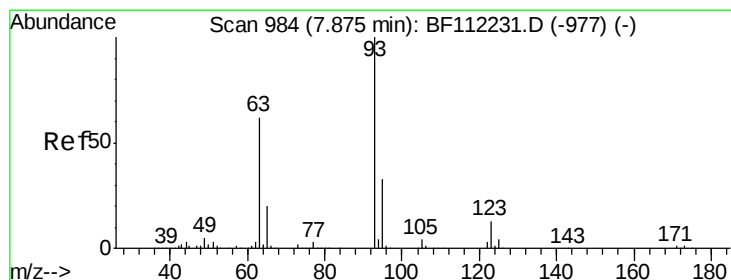
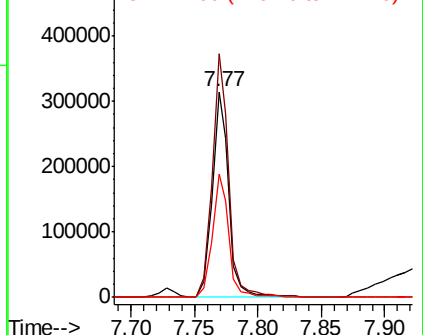
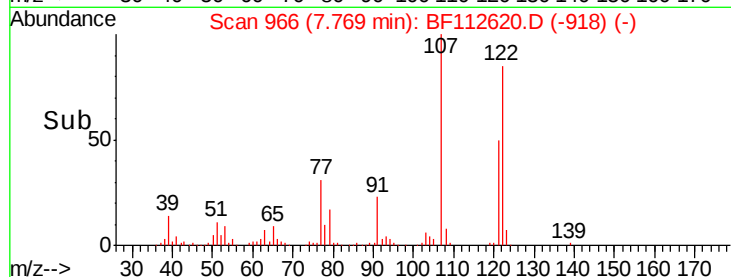
121 59.6 47.0 70.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 50.258 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

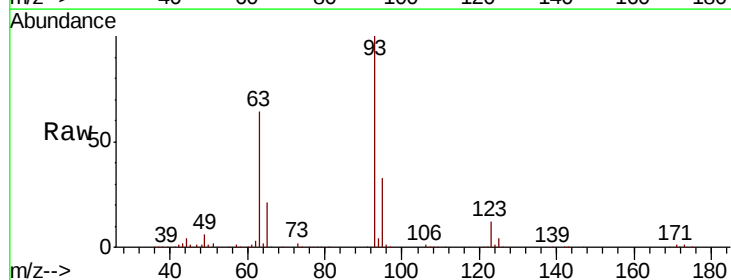
Tgt Ion: 93 Resp: 387398

Ion Ratio Lower Upper

93 100

95 33.2 26.8 40.2

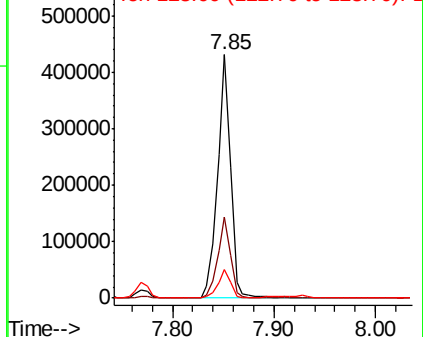
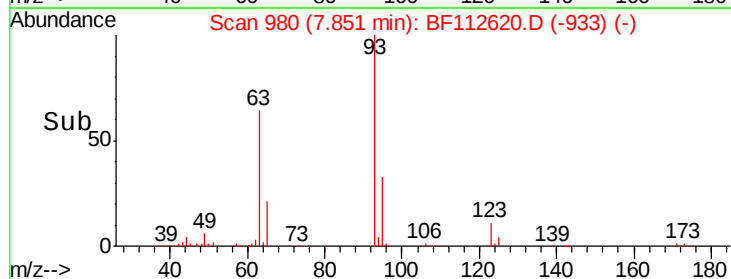
123 11.6 10.2 15.2

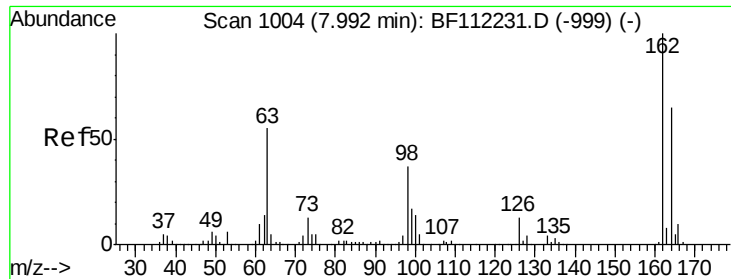


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

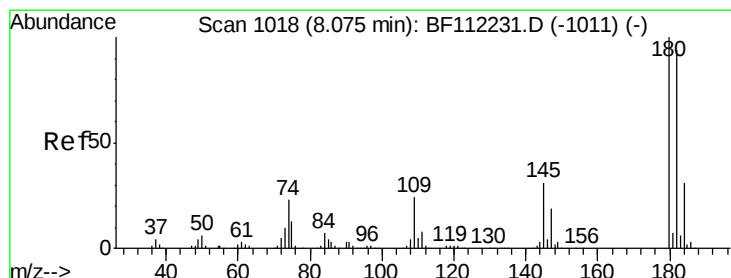
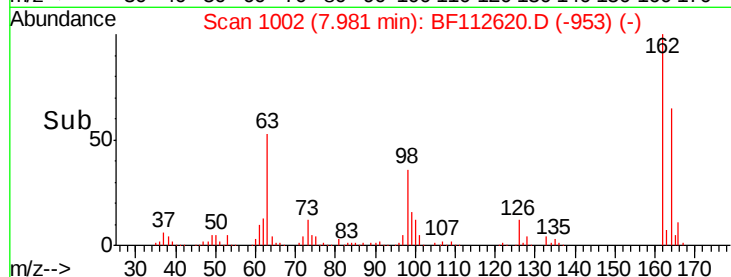
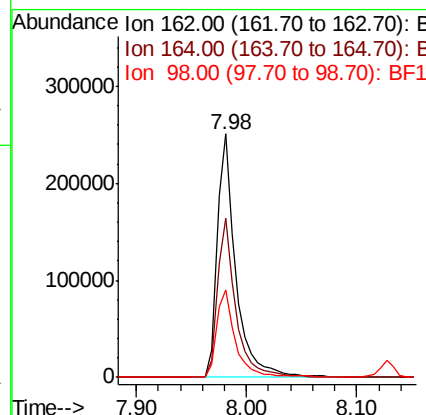
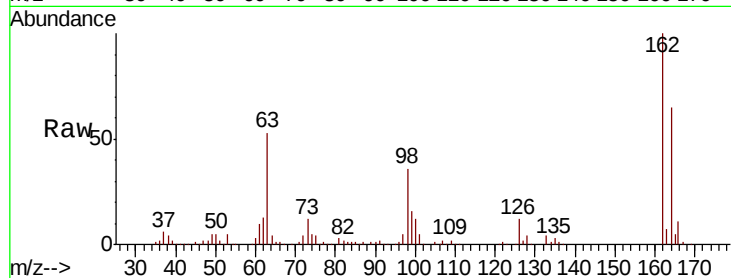




#29  
 2,4-Dichlorophenol  
 Concen: 48.522 ng  
 RT: 7.98 min Scan# 1002  
 Delta R.T. -0.01 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

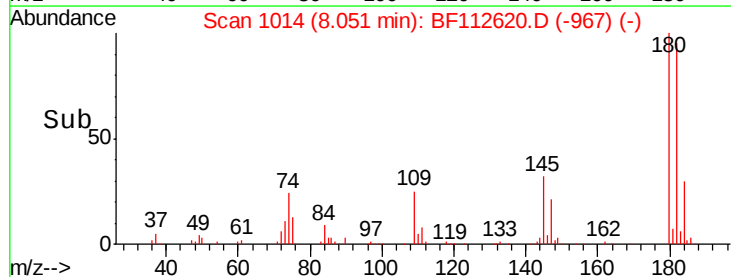
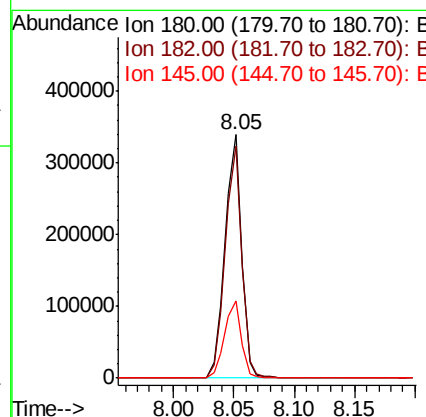
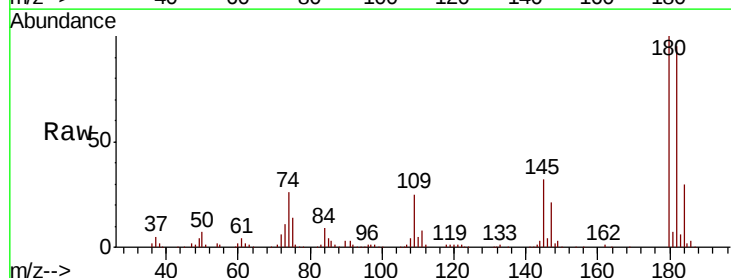
Instrument :  
 BNA\_F  
 ClientSampleId :

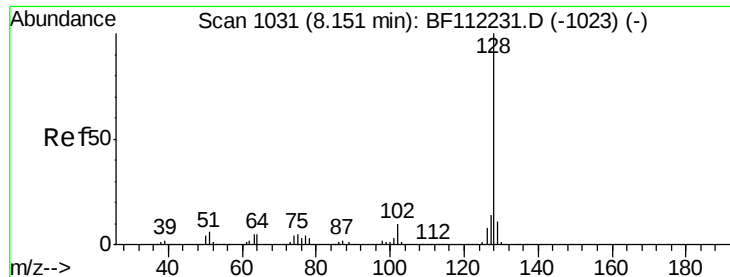
Tot Ion:162 Resp: 288133  
 Ion Ratio Lower Upper  
 162 100  
 164 65.1 44.6 84.6  
 98 36.1 14.6 54.6



#30  
 1,2,4-Trichlorobenzene  
 Concen: 47.334 ng  
 RT: 8.05 min Scan# 1014  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Tgt Ion:180 Resp: 323089  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 76.4 114.6  
 145 31.7 25.0 37.4

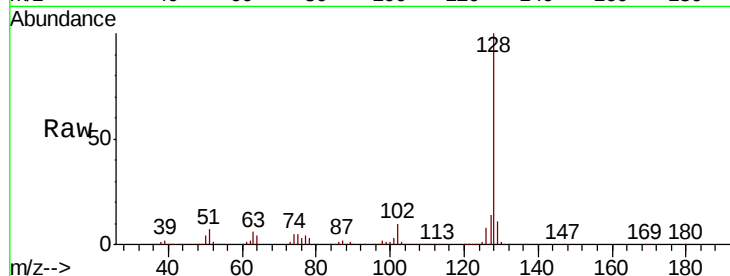




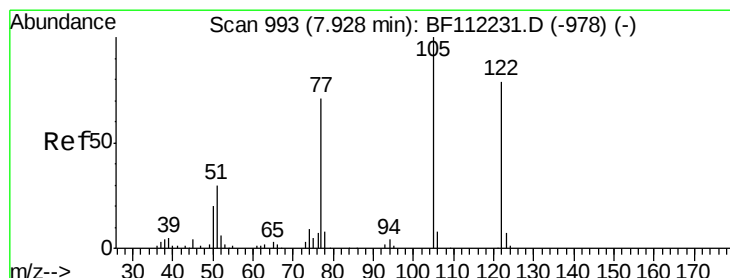
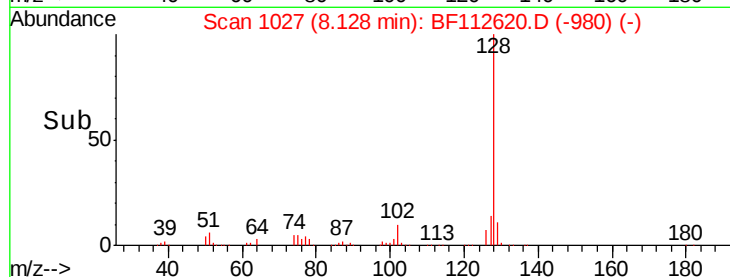
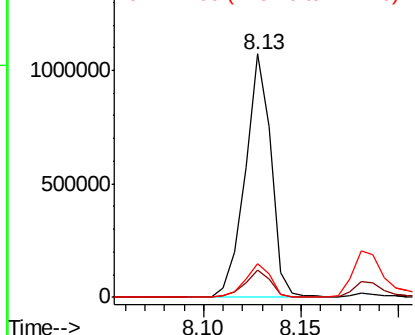
#31  
Naphthalene  
Concen: 50.672 ng  
RT: 8.13 min Scan# 1027  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:128 Resp: 985261  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.6 14.4  
127 13.9 11.1 16.7

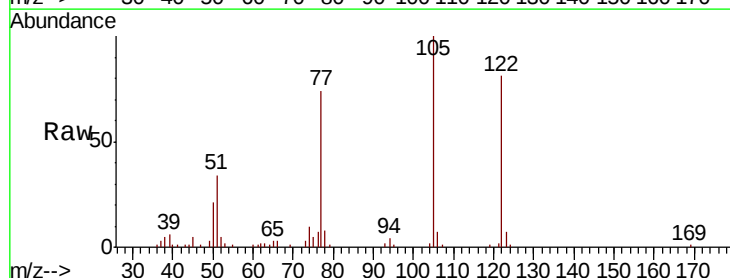


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

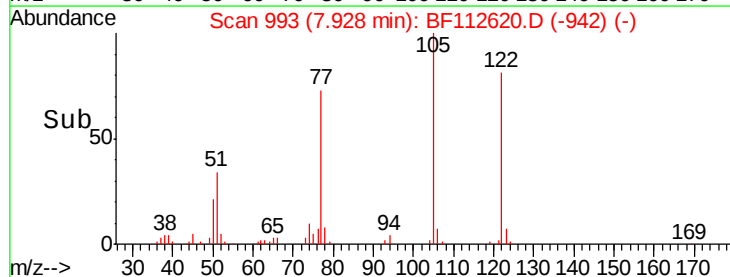
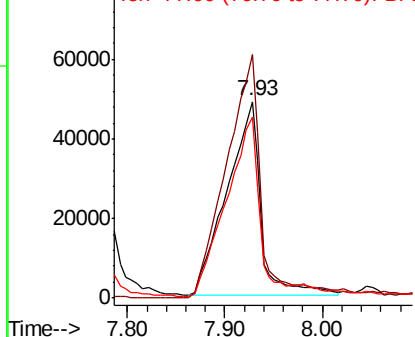


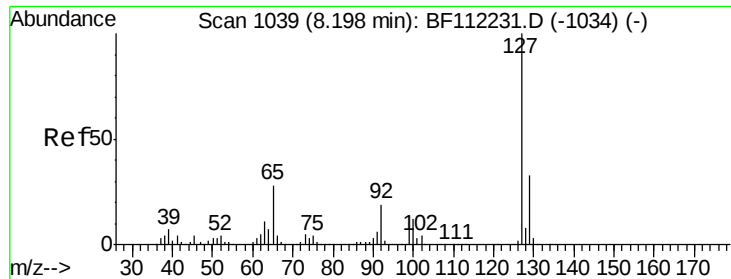
#32  
Benzoic acid  
Concen: 39.163 ng  
RT: 7.93 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Tgt Ion:122 Resp: 118538  
Ion Ratio Lower Upper  
122 100  
105 124.0 101.2 141.2  
77 91.9 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1

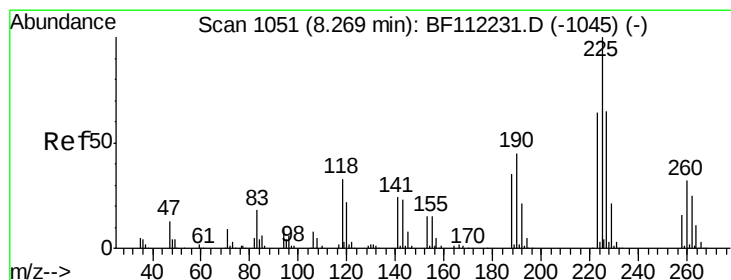
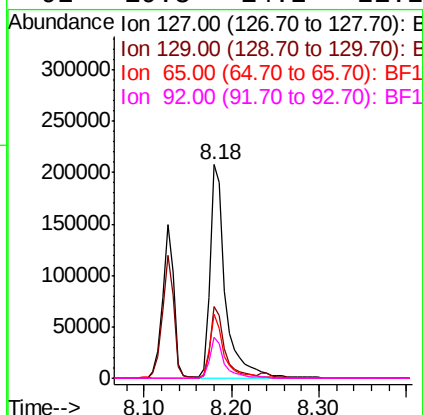
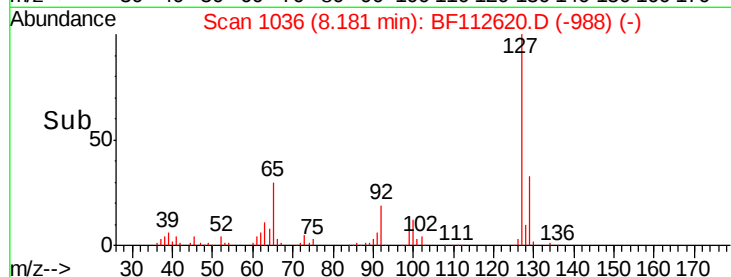
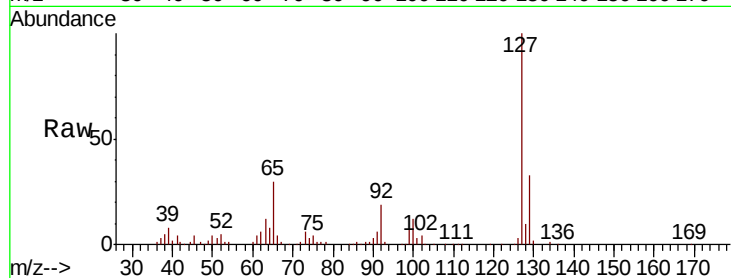




#33  
4-Chloroaniline  
Concen: 29.927 ng  
RT: 8.18 min Scan# 1036  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

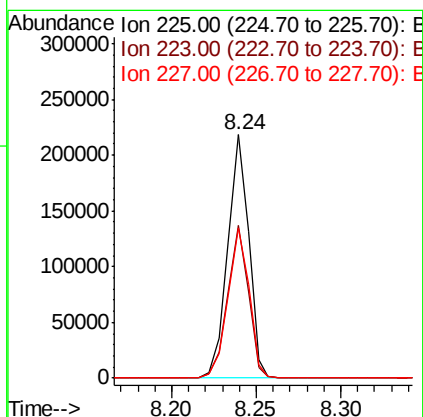
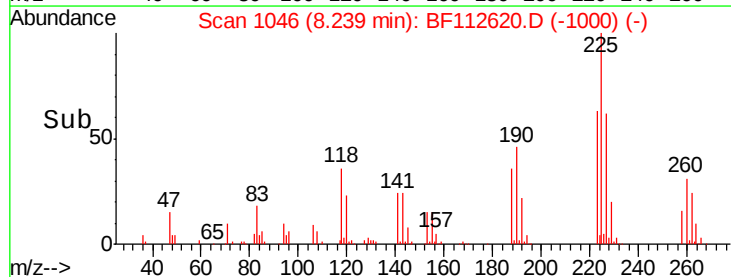
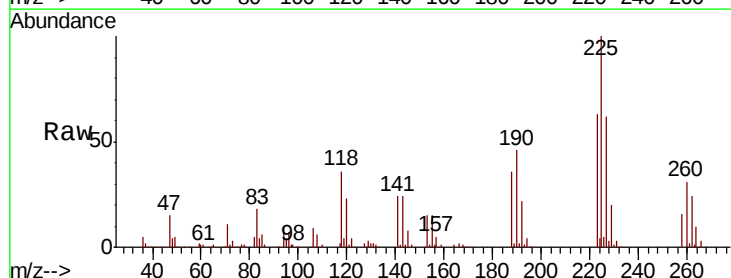
Instrument :  
BNA\_F  
ClientSampleId :

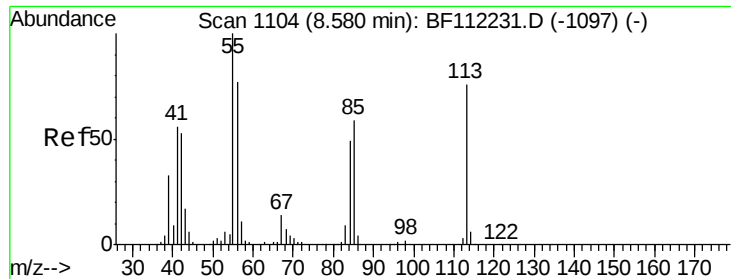
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 253378 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.4  | 26.6  | 39.8   |
| 65       | 30.2  | 21.4  | 32.2   |
| 92       | 19.3  | 14.2  | 21.2   |



#34  
Hexachlorobutadiene  
Concen: 46.957 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.03 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 188085 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.9  | 50.3  | 75.5   |
| 227      | 61.9  | 51.8  | 77.8   |

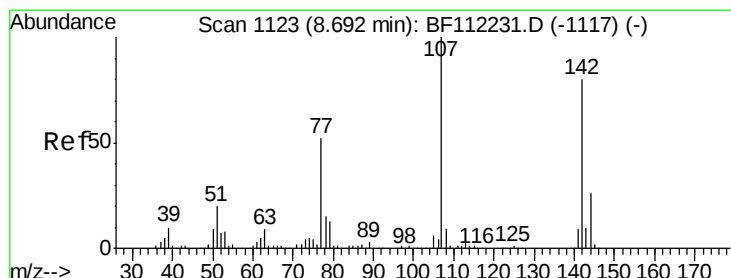
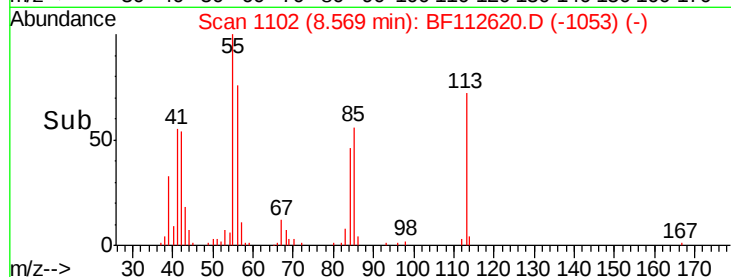
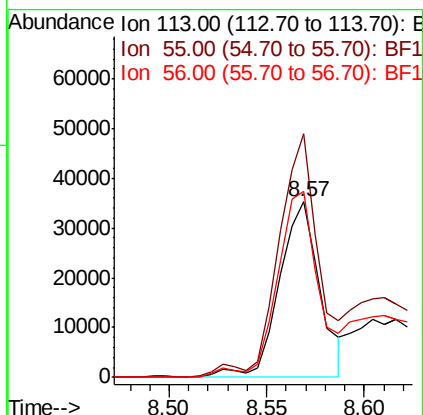
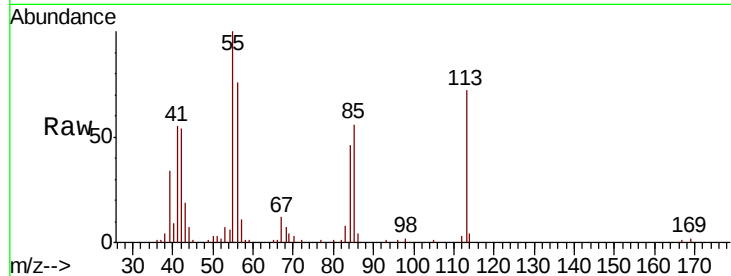




#35  
Caprolactam  
Concen: 24.071 ng  
RT: 8.57 min Scan# 1102  
Delta R.T. -0.01 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

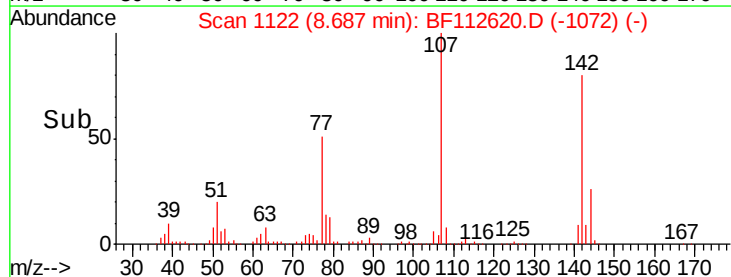
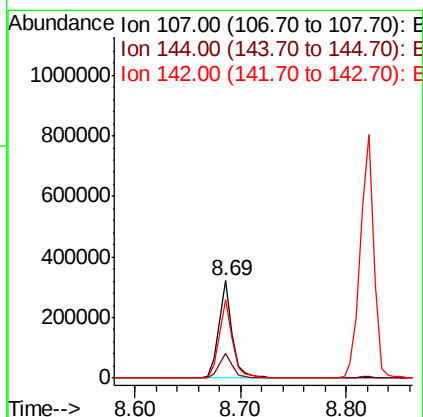
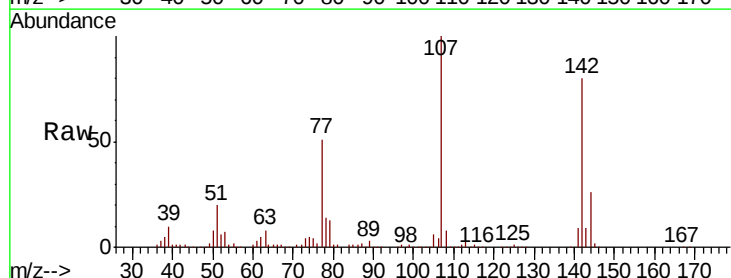
Instrument :  
BNA\_F  
ClientSampleId :

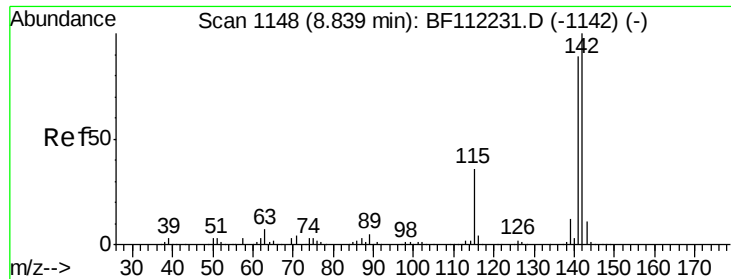
Tot Ion:113 Resp: 50424  
Ion Ratio Lower Upper  
113 100  
55 138.8 121.6 161.6  
56 106.0 86.7 126.7



#36  
4-Chloro-3-methylphenol  
Concen: 47.383 ng  
RT: 8.69 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Tgt Ion:107 Resp: 297860  
Ion Ratio Lower Upper  
107 100  
144 25.6 22.2 33.2  
142 80.3 67.7 101.5

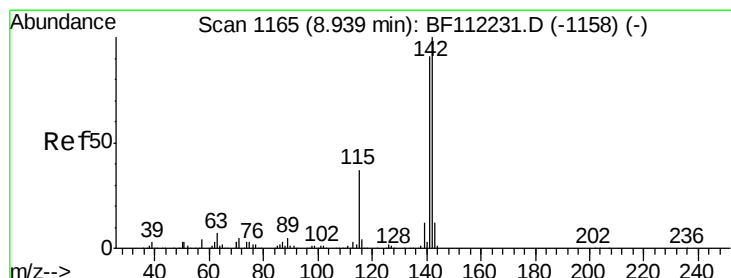
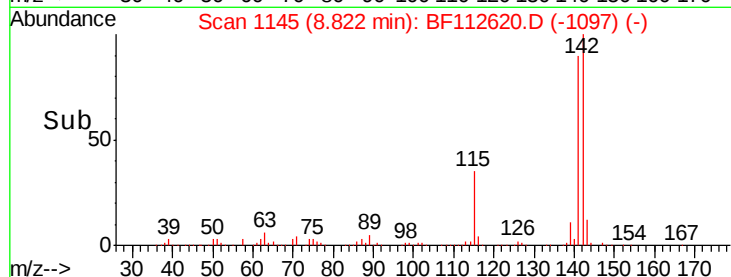
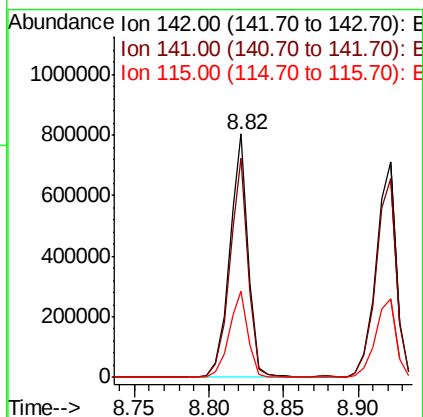
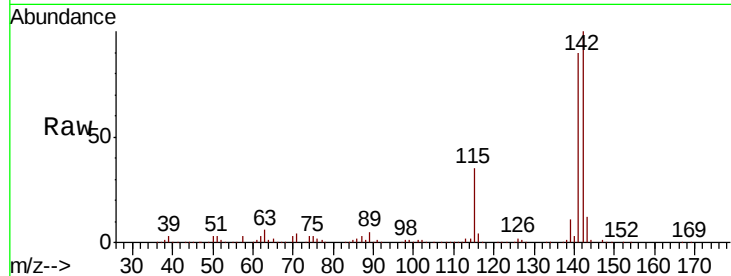




#37  
2-Methylnaphthalene  
Concen: 52.827 ng  
RT: 8.82 min Scan# 1145  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

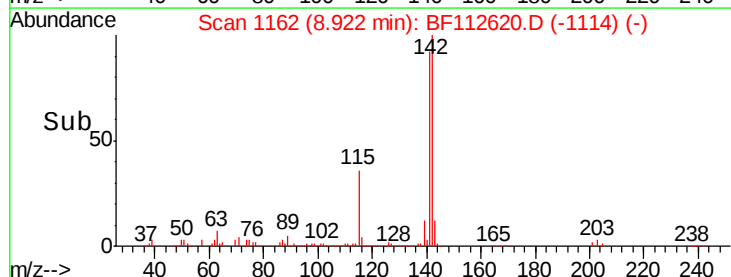
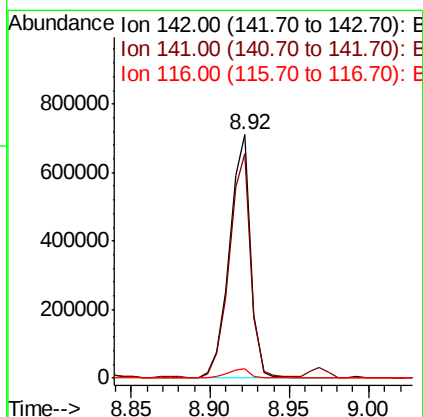
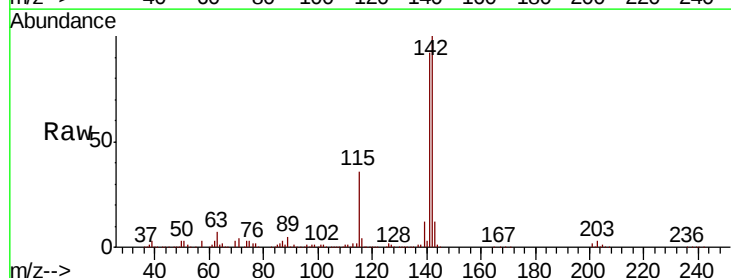
Instrument :  
BNA\_F  
ClientSampleID :

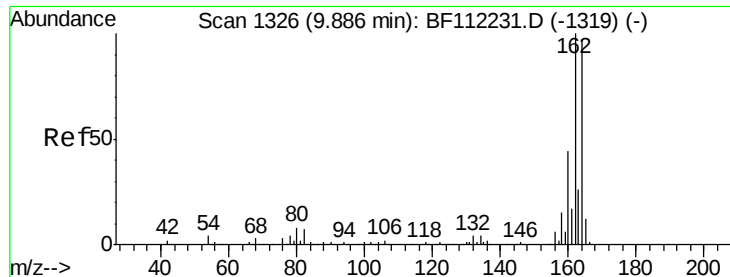
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.2  | 70.9  | 106.3 |
| 115     | 35.3  | 24.9  | 37.3  |



#38  
1-Methylnaphthalene  
Concen: 51.251 ng  
RT: 8.92 min Scan# 1162  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.3  | 72.6  | 108.8 |
| 116     | 3.6   | 2.8   | 4.2   |

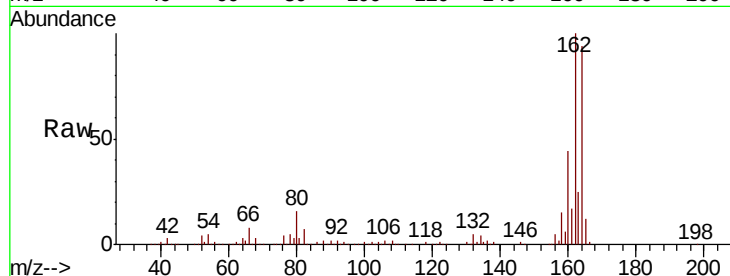




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.86 min Scan# 1322  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 106.6 | 82.2  | 123.4 |
| 160     | 46.9  | 36.2  | 54.4  |

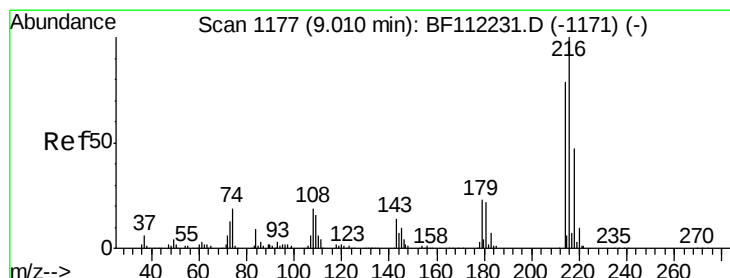
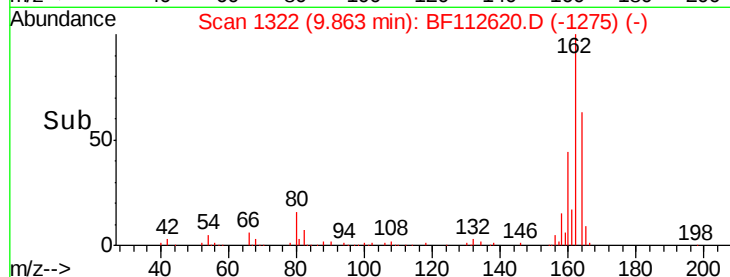
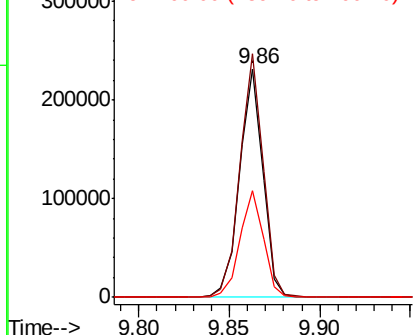


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.108 ng  
RT: 8.99 min Scan# 1174  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.4  | 63.8  | 95.6  |
| 179     | 23.0  | 16.9  | 25.3  |
| 108     | 20.0  | 14.2  | 21.4  |

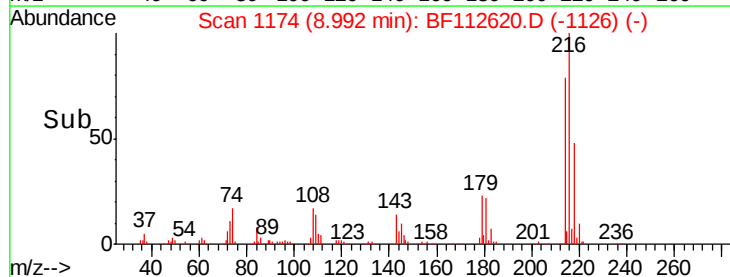
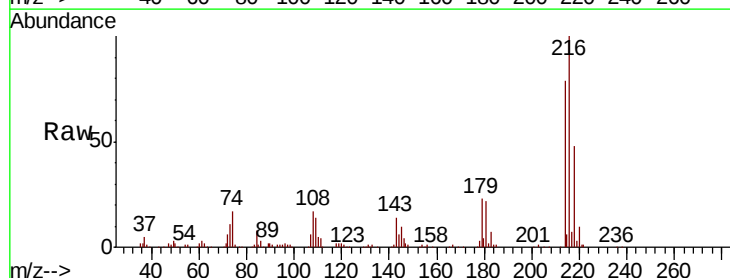
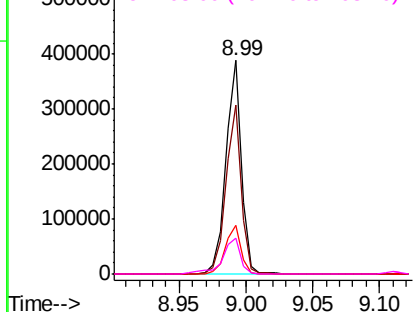
Abundance

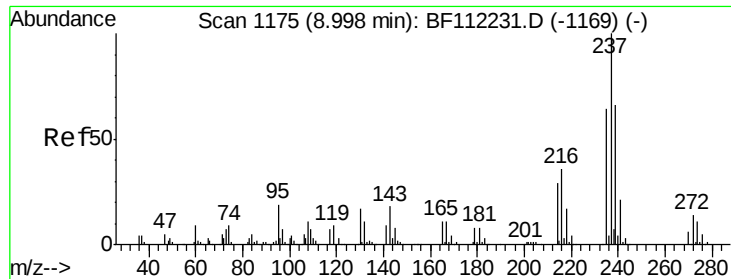
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

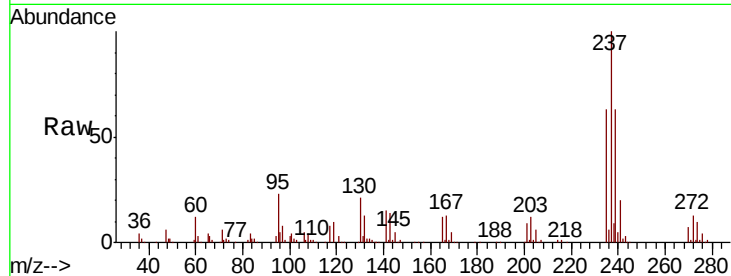




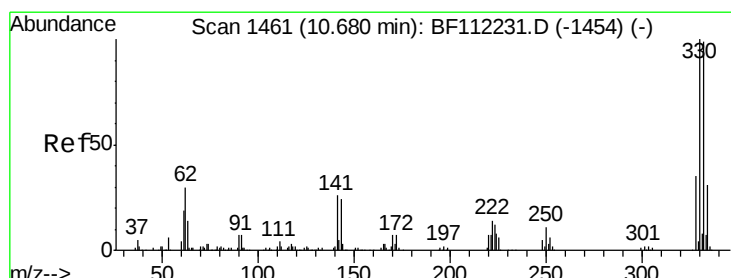
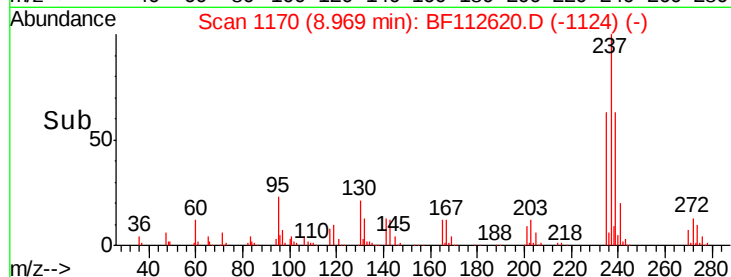
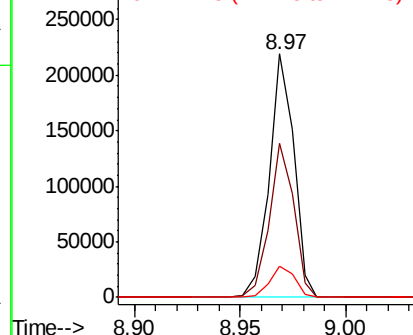
#41  
Hexachlorocyclopentadiene  
Concen: 70.742 ng  
RT: 8.97 min Scan# 1170  
Delta R.T. -0.03 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:237 Resp: 178136  
Ion Ratio Lower Upper  
237 100  
235 63.4 44.0 84.0  
272 12.8 0.0 33.3

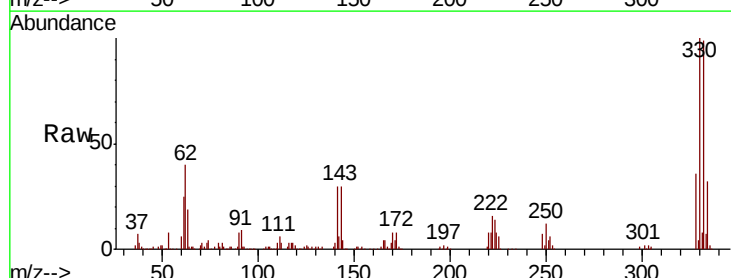


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

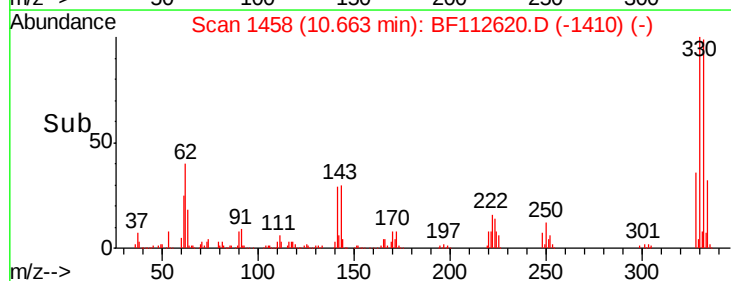
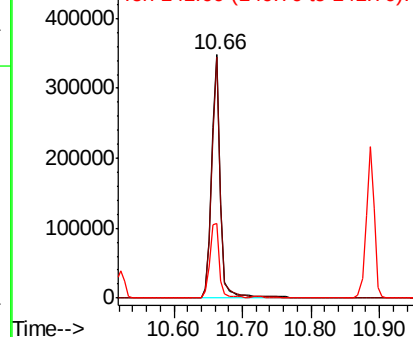


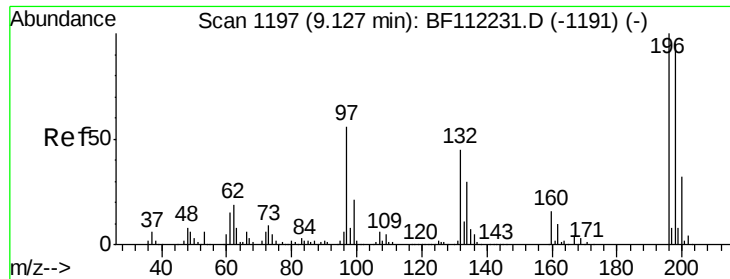
#42  
2,4,6-Tribromophenol  
Concen: 134.642 ng  
RT: 10.66 min Scan# 1458  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Tgt Ion:330 Resp: 322835  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.6 114.8  
141 33.5 24.3 36.5



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

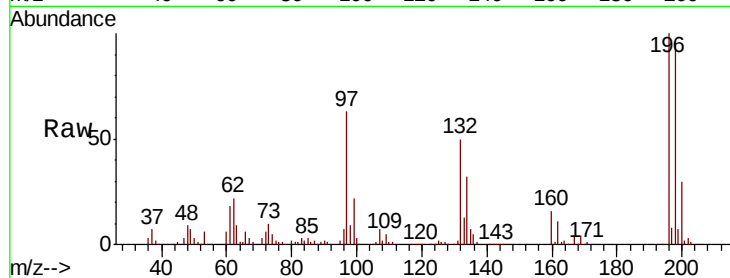




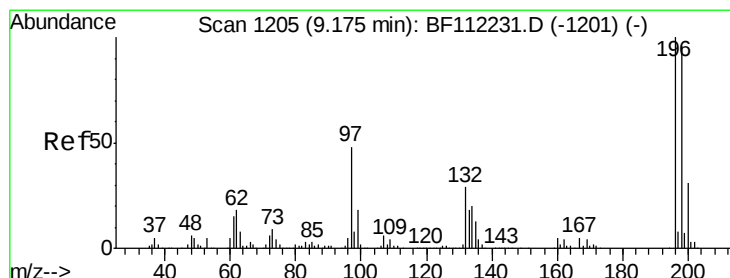
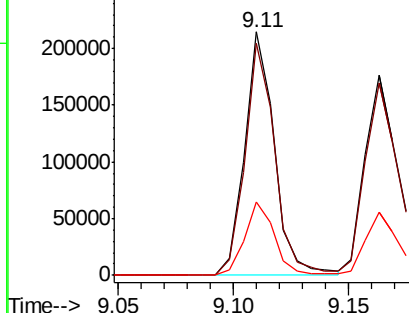
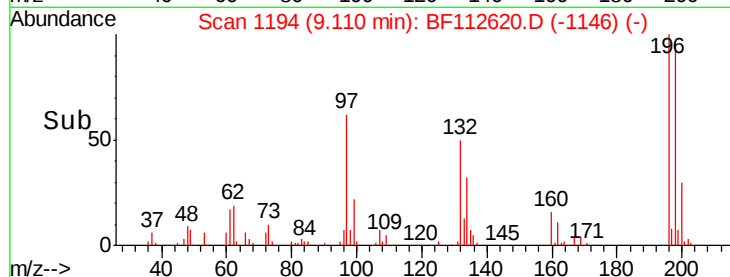
#43  
 2,4,6-Trichlorophenol  
 Concen: 46.555 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:196 Resp: 194096  
 Ion Ratio Lower Upper  
 196 100  
 198 95.6 76.2 114.4  
 200 30.2 24.3 36.5

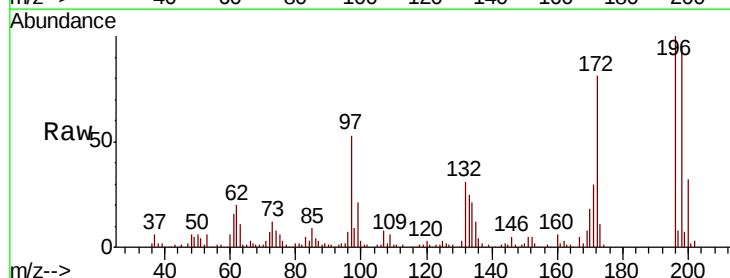


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

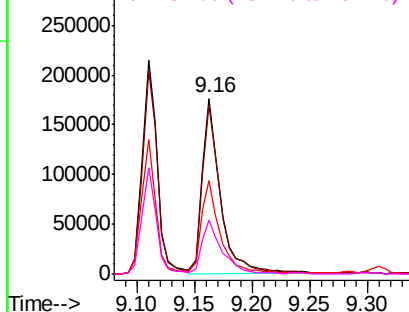
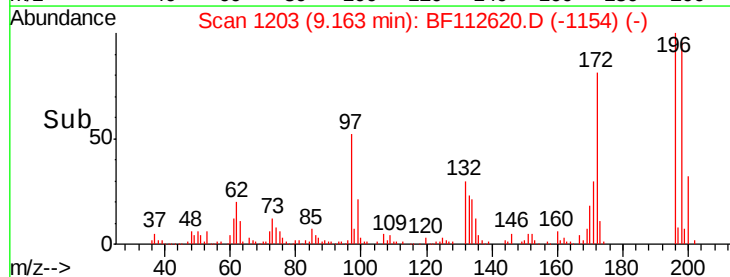


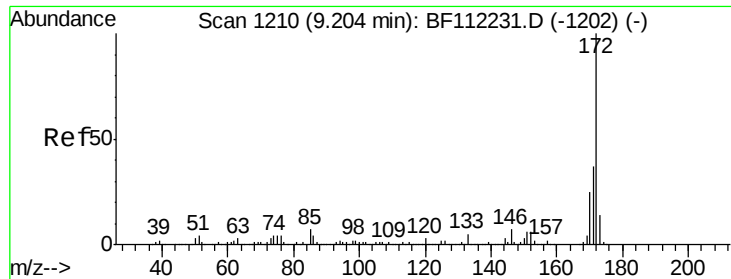
#44  
 2,4,5-Trichlorophenol  
 Concen: 44.842 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Tgt Ion:196 Resp: 195391  
 Ion Ratio Lower Upper  
 196 100  
 198 96.1 76.0 114.0  
 97 53.1 36.4 54.6  
 132 30.7 21.5 32.3



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

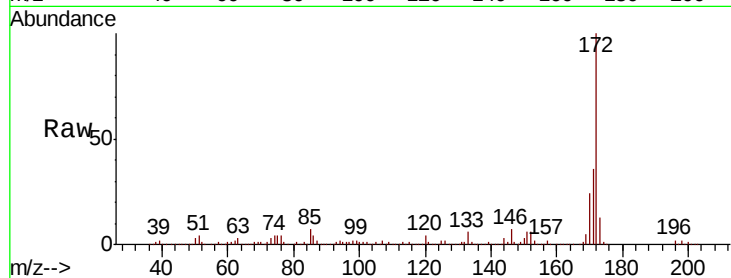




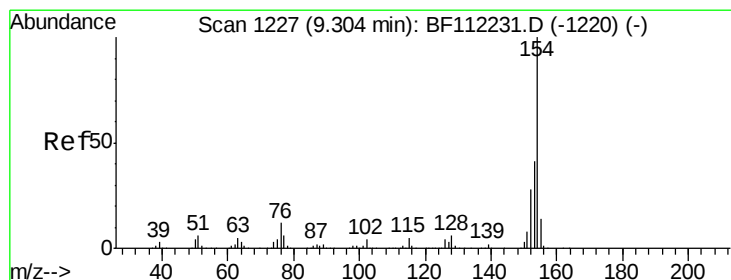
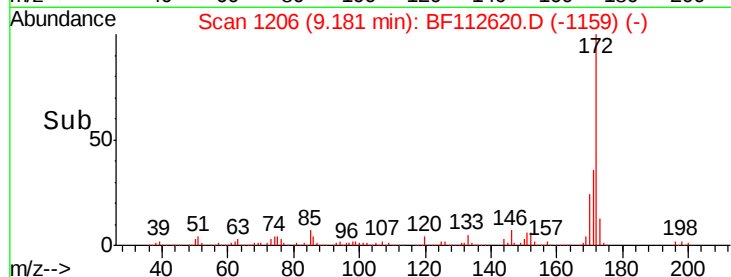
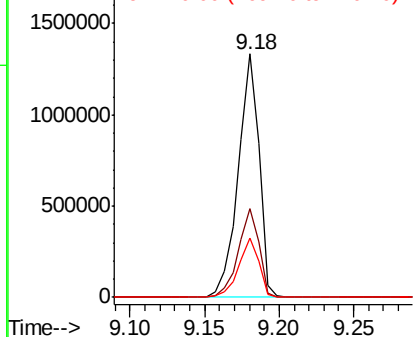
#45  
2-Fluorobiphenyl  
Concen: 89.415 ng  
RT: 9.18 min Scan# 1206  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1302311  
Ion Ratio Lower Upper  
172 100  
171 36.2 30.5 45.7  
170 24.1 20.2 30.4

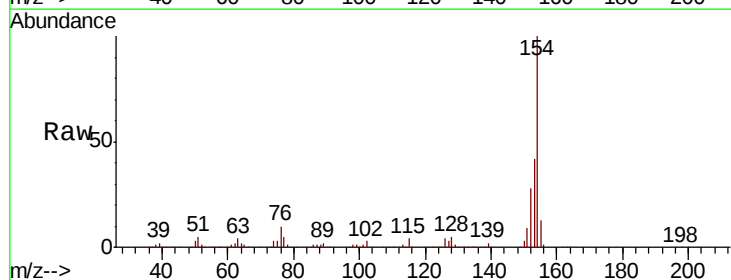


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

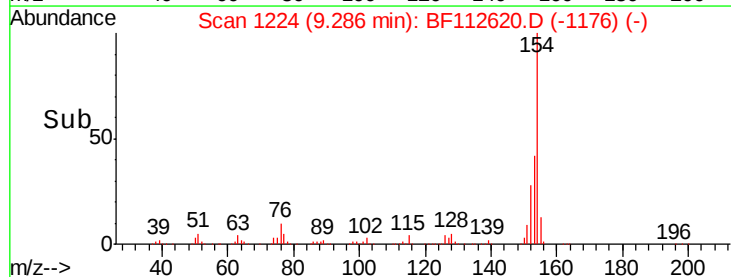
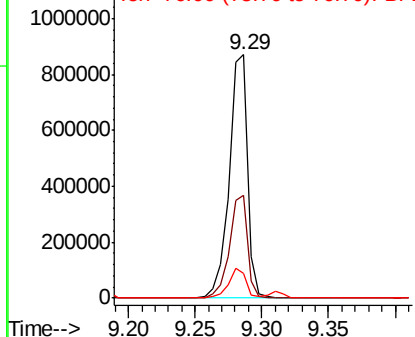


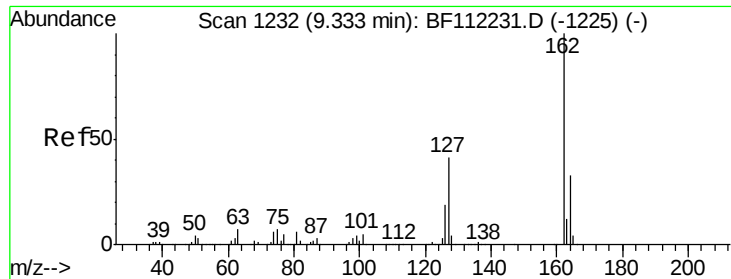
#46  
1,1'-Biphenyl  
Concen: 47.171 ng  
RT: 9.29 min Scan# 1224  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Tgt Ion:154 Resp: 849505  
Ion Ratio Lower Upper  
154 100  
153 42.2 21.5 61.5  
76 10.2 0.0 33.1



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1

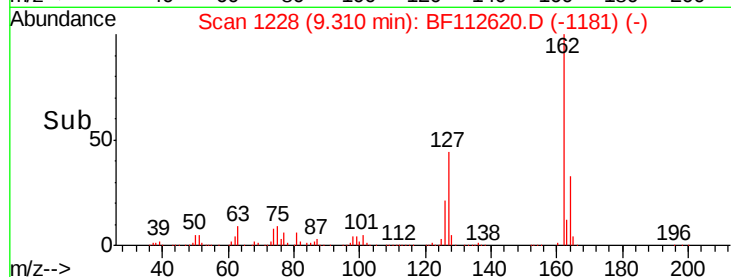
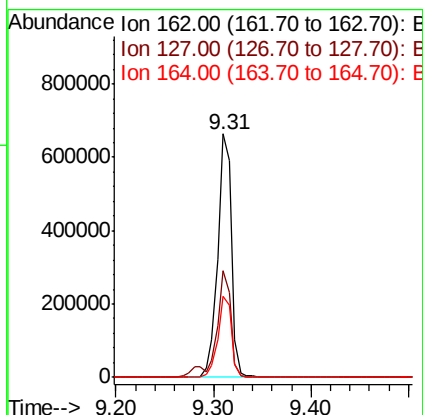
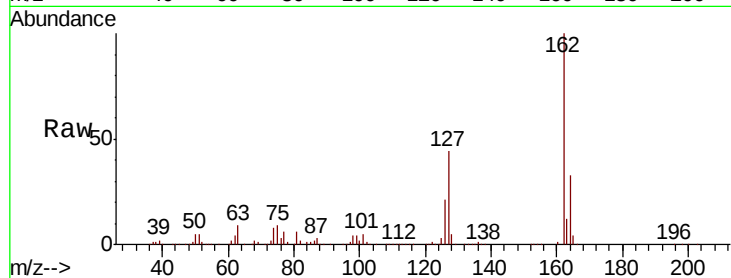




#47  
 2-Chloronaphthalene  
 Concen: 46.563 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

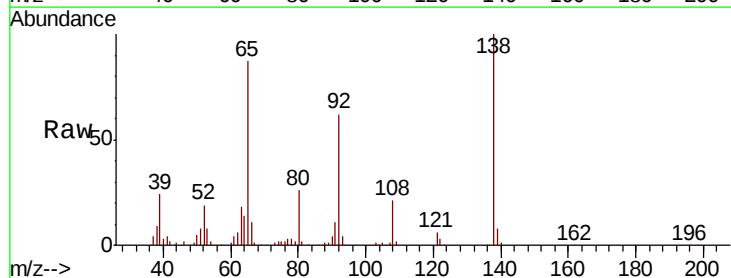
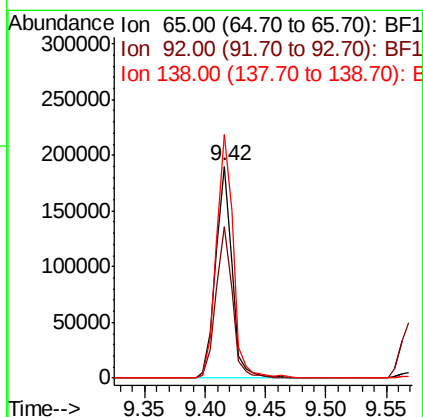
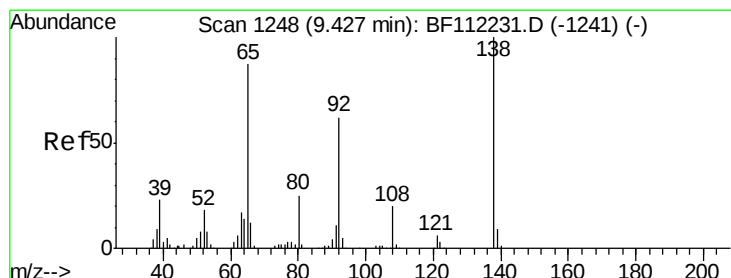
Instrument :  
 BNA\_F  
 ClientSampled :

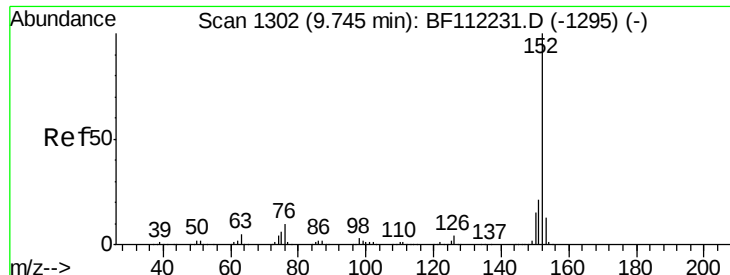
Tot Ion:162 Resp: 650273  
 Ion Ratio Lower Upper  
 162 100  
 127 43.8 30.4 45.6  
 164 33.3 27.4 41.2



#48  
 2-Nitroaniline  
 Concen: 46.224 ng  
 RT: 9.42 min Scan# 1246  
 Delta R.T. -0.01 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Tgt Ion: 65 Resp: 175946  
 Ion Ratio Lower Upper  
 65 100  
 92 71.8 60.4 90.6  
 138 114.9 104.4 156.6





#49

Acenaphthylene

Concen: 49.503 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

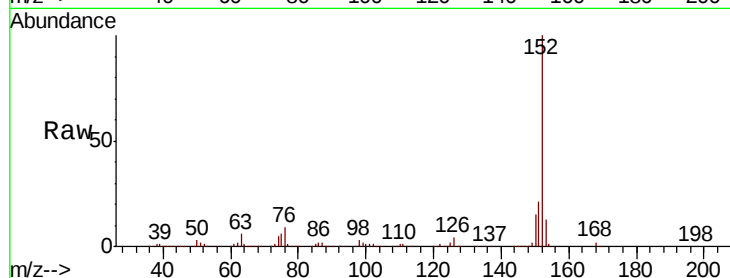
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:152 Resp: 1013276

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.6  | 17.0  | 25.6  |
| 153 | 13.4  | 11.2  | 16.8  |

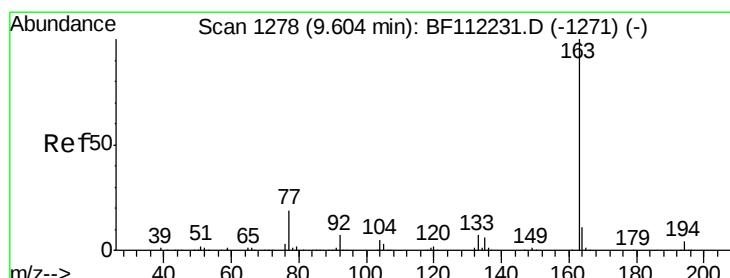
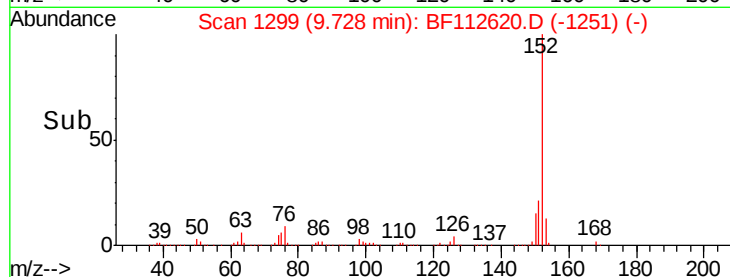


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 52.463 ng

RT: 9.58 min Scan# 1274

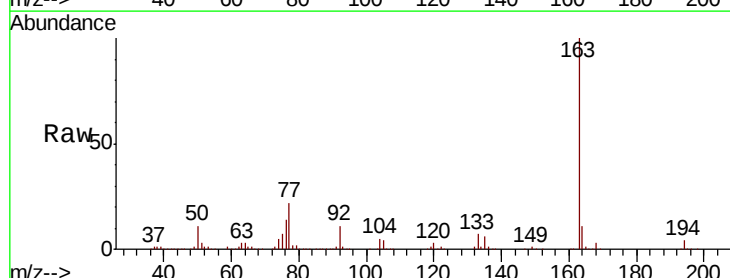
Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Tgt Ion:163 Resp: 839669

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.6   | 3.3   | 4.9   |
| 164 | 10.6  | 8.5   | 12.7  |

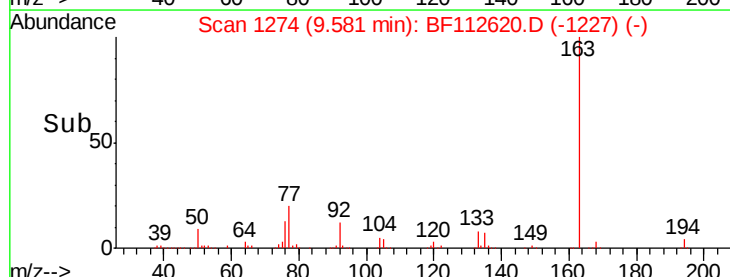


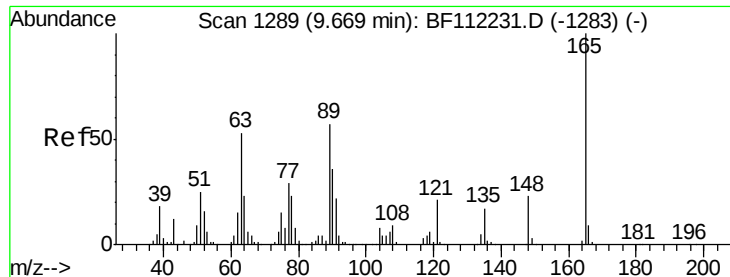
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 47.263 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampled :

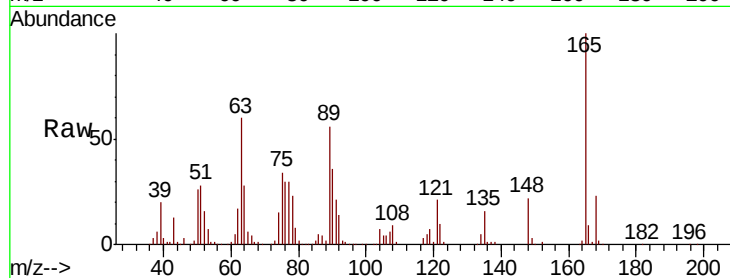
Tot Ion:165 Resp: 169412

Ion Ratio Lower Upper

165 100

63 60.1 33.8 50.8#

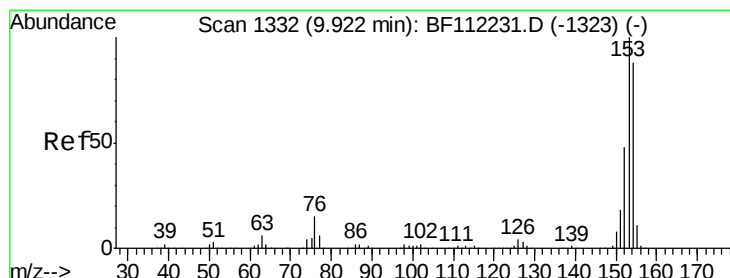
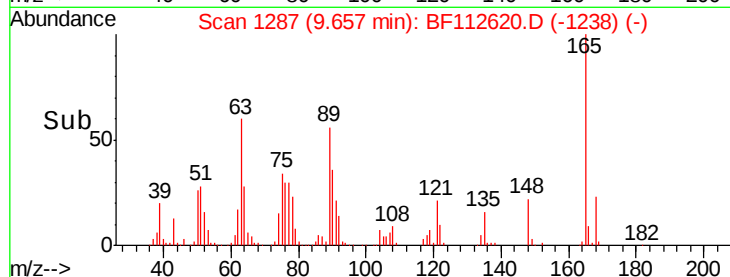
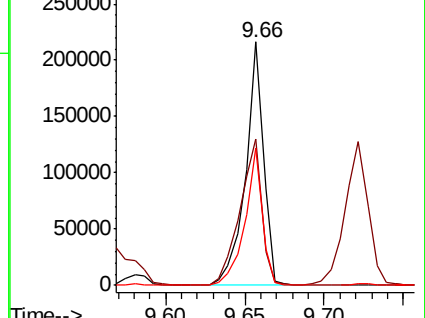
89 56.3 36.9 55.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 48.649 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

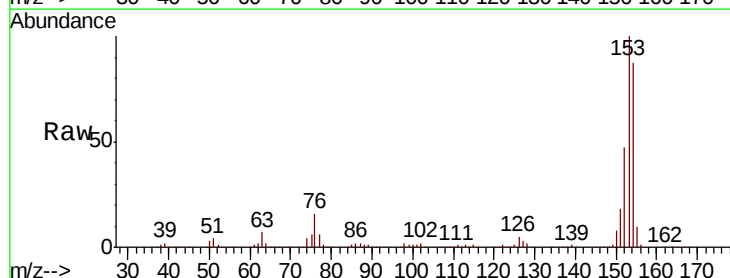
Tgt Ion:154 Resp: 594862

Ion Ratio Lower Upper

154 100

153 114.4 89.8 134.6

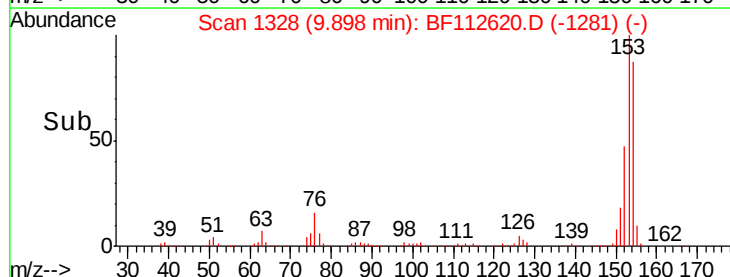
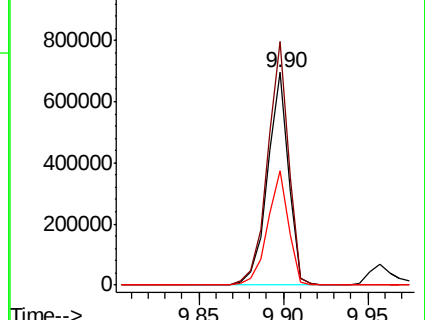
152 53.6 43.5 65.3

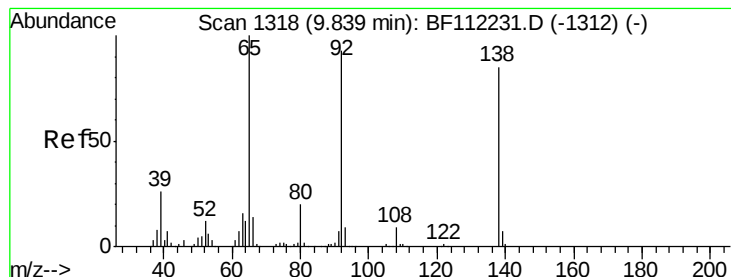


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 29.654 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

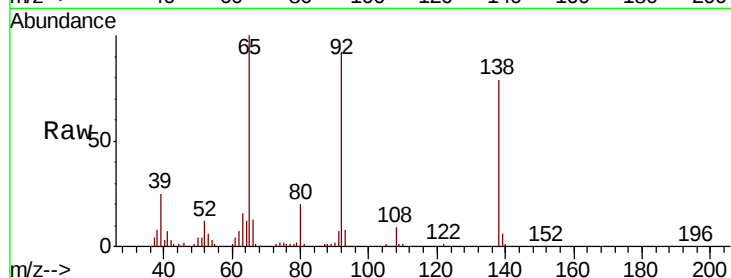
Tot Ion:138 Resp: 115155

Ion Ratio Lower Upper

138 100

108 11.2 9.8 14.6

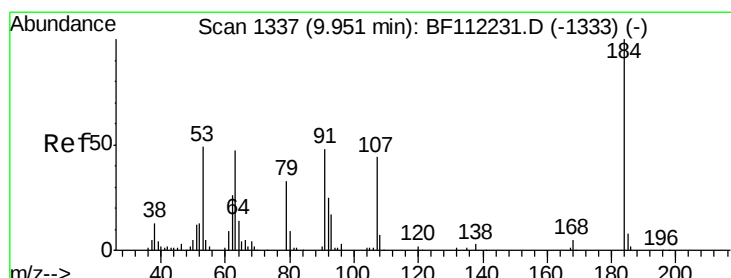
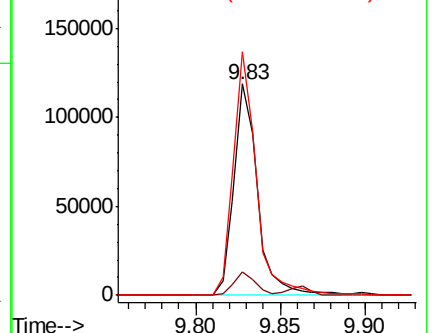
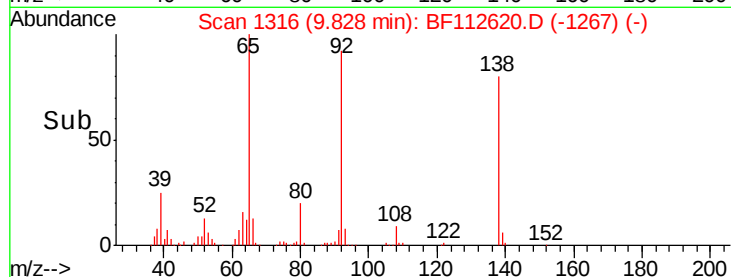
92 115.3 79.4 119.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 102.476 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

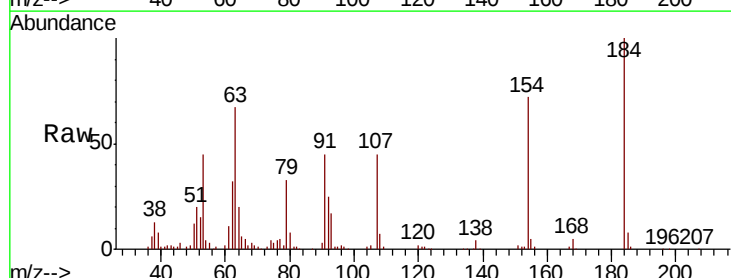
Tgt Ion:184 Resp: 117884

Ion Ratio Lower Upper

184 100

63 67.0 47.1 70.7

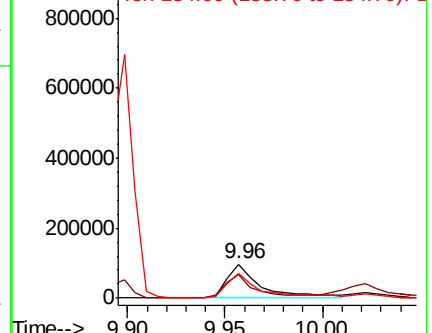
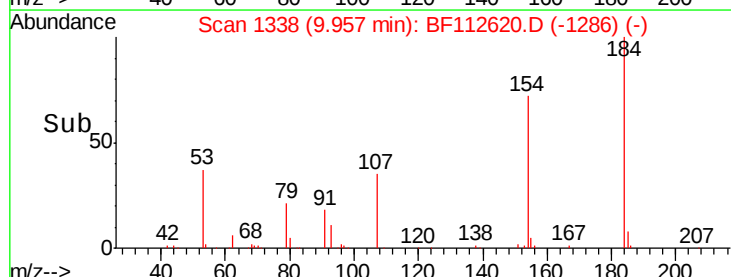
154 72.2 48.9 73.3

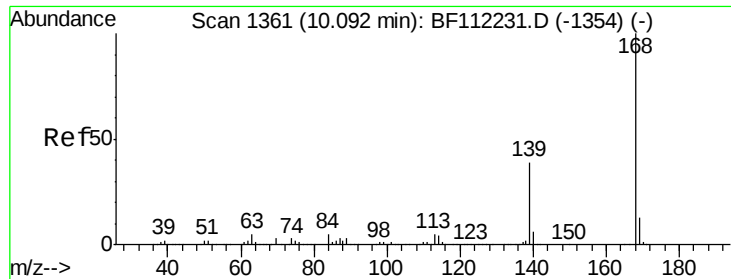


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 47.018 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

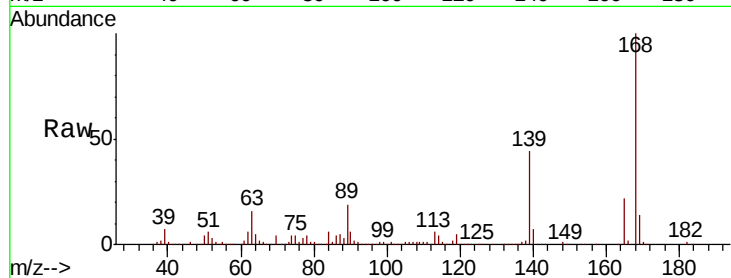
Tot Ion:168 Resp: 878567

Ion Ratio Lower Upper

168 100

139 43.9 29.2 43.8#

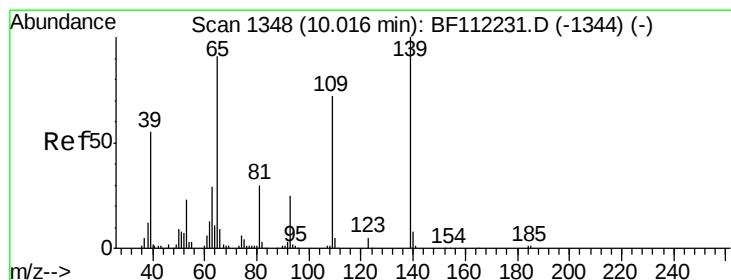
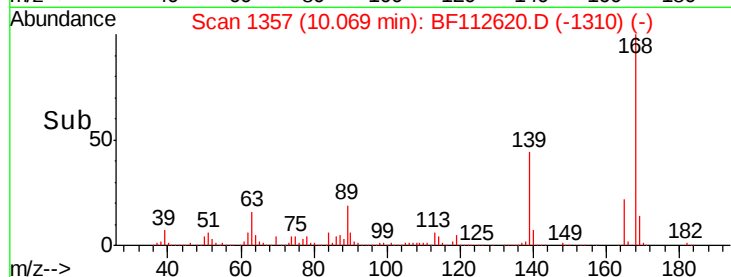
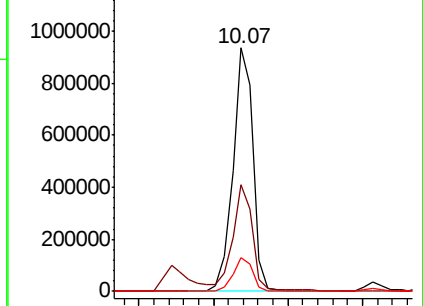
169 13.8 11.4 17.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 57.637 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

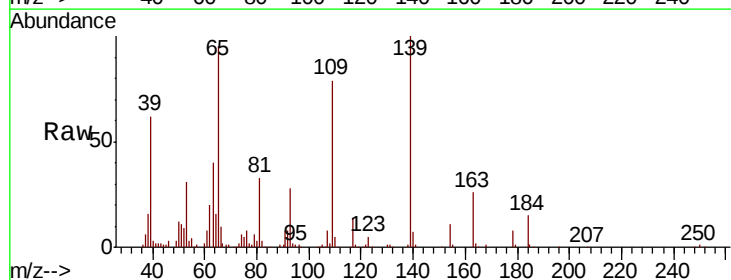
Tgt Ion:139 Resp: 118333

Ion Ratio Lower Upper

139 100

109 78.5 42.8 82.8

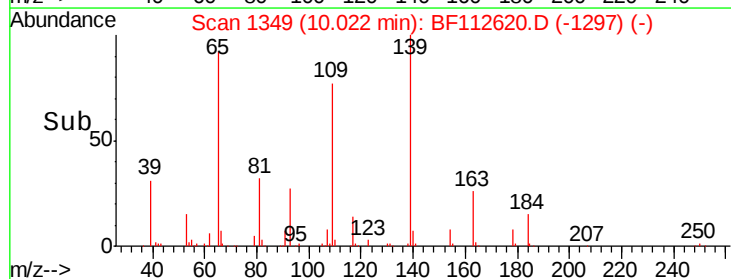
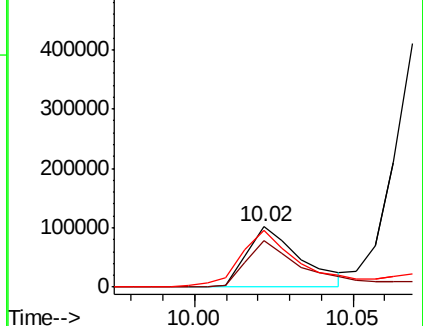
65 95.4 66.1 106.1

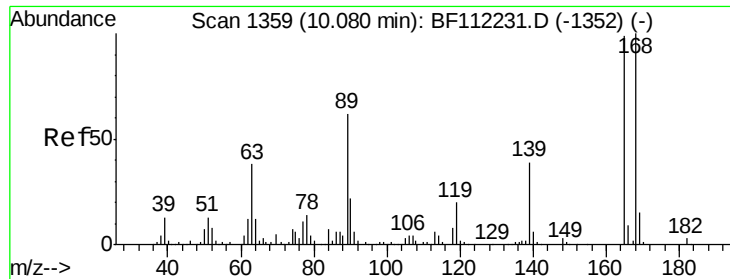


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

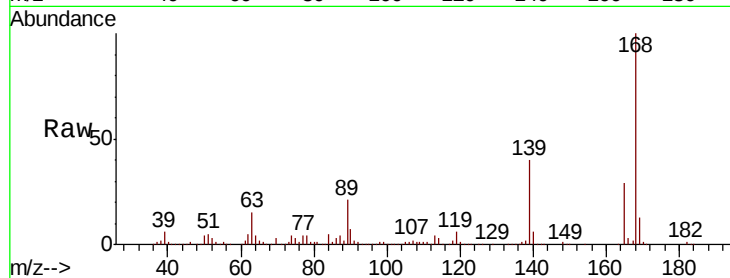




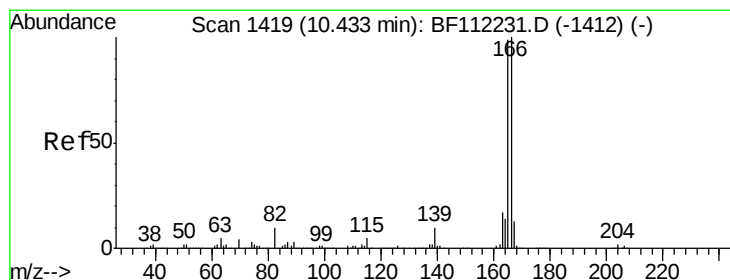
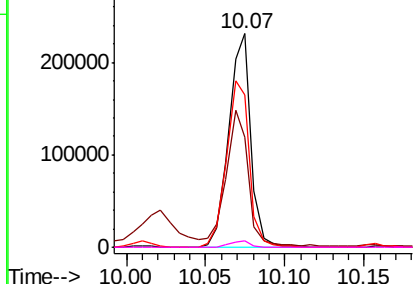
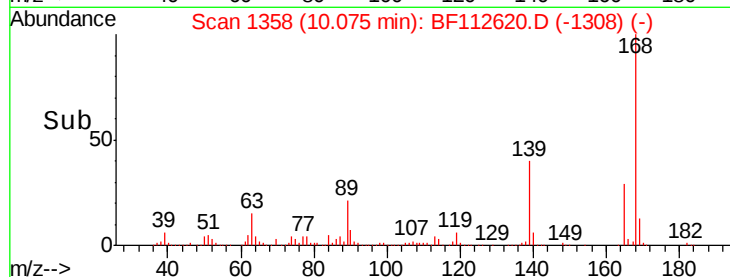
#57  
 2,4-Dinitrotoluene  
 Concen: 48.881 ng  
 RT: 10.07 min Scan# 1358  
 Delta R.T. -0.01 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:165 | Resp: | 223058     |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 51.5  | 27.9 41.9# |
| 89          | 71.5  | 47.9 71.9  |
| 182         | 2.8   | 2.2 3.4    |

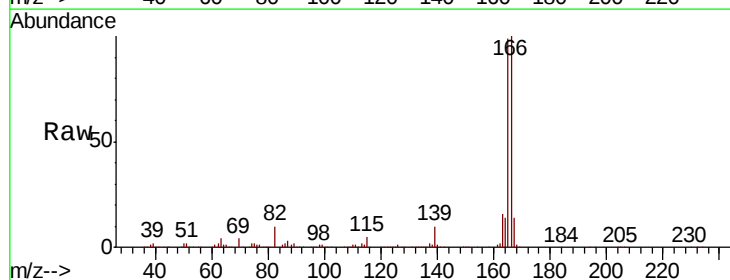


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

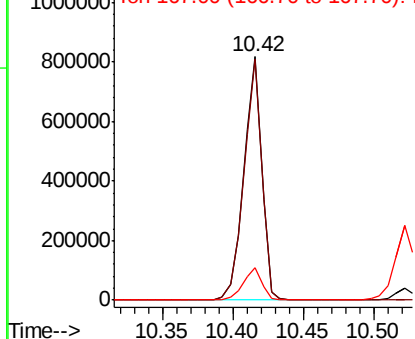
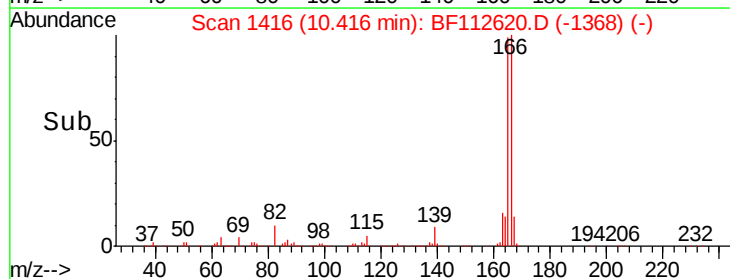


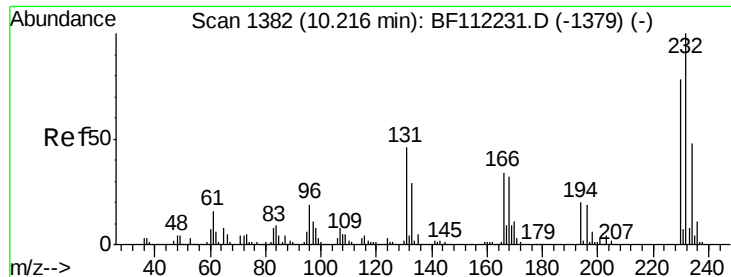
#58  
 Fluorene  
 Concen: 51.745 ng  
 RT: 10.42 min Scan# 1416  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:166 | Resp: | 723560     |
| Ion Ratio   | Lower | Upper      |
| 166         | 100   |            |
| 165         | 99.3  | 77.1 115.7 |
| 167         | 13.5  | 11.3 16.9  |



Abundance Ion 166.00 (165.70 to 166.70): E  
 Ion 165.00 (164.70 to 165.70): E  
 Ion 167.00 (166.70 to 167.70): E

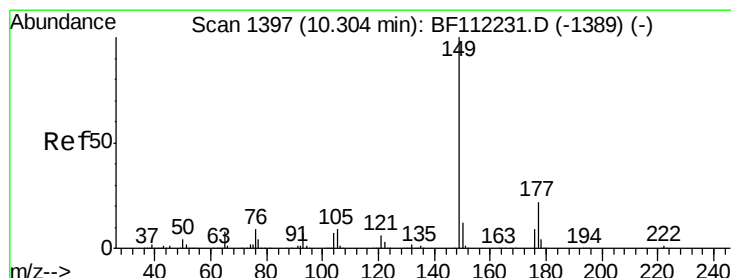
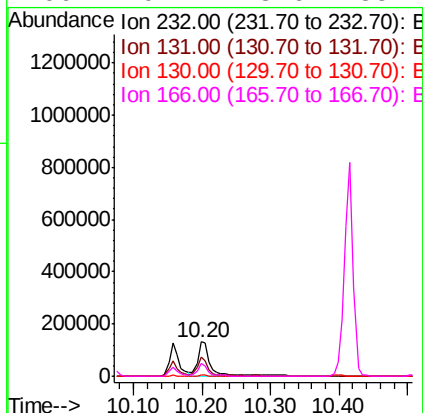
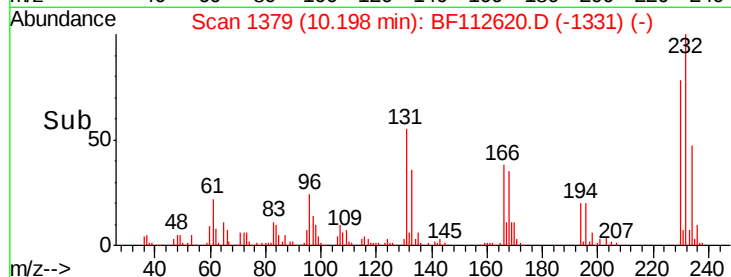
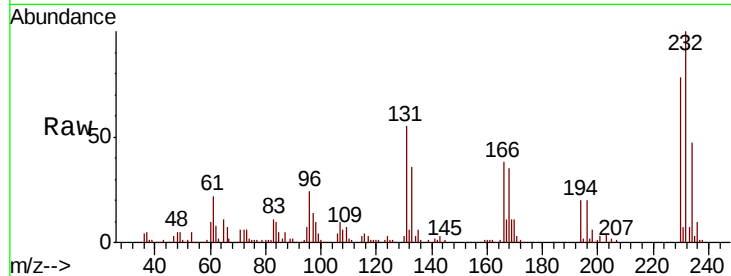




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 53.465 ng  
 RT: 10.20 min Scan# 1379  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

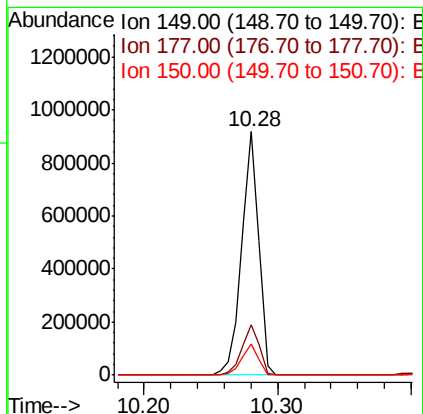
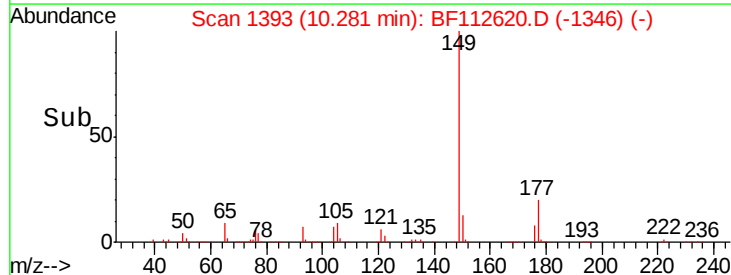
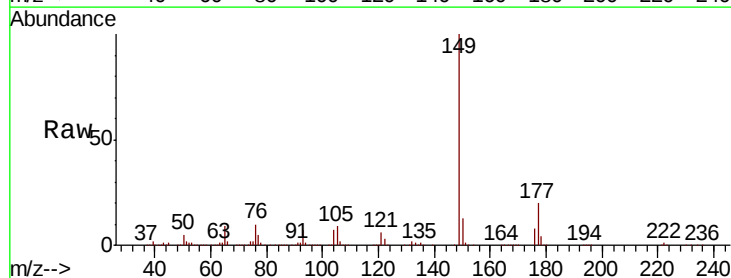
Instrument :  
 BNA\_F  
 ClientSampleId :

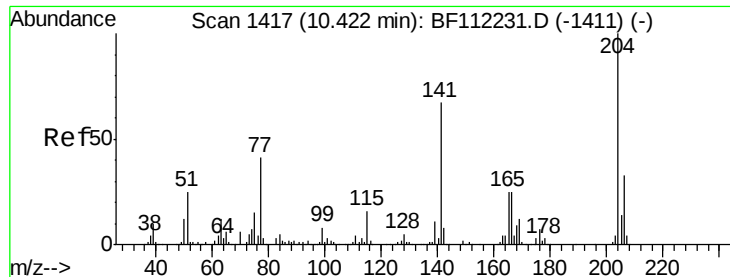
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 45.2  | 33.9  | 50.9  |
| 130     | 2.4   | 1.8   | 2.6   |
| 166     | 29.4  | 23.6  | 35.4  |



#60  
 Diethylphthalate  
 Concen: 51.506 ng  
 RT: 10.28 min Scan# 1393  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 20.4  | 18.2  | 27.2  |
| 150     | 12.7  | 10.4  | 15.6  |





#61

4-Chlorophenyl-phenylether

Concen: 47.080 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

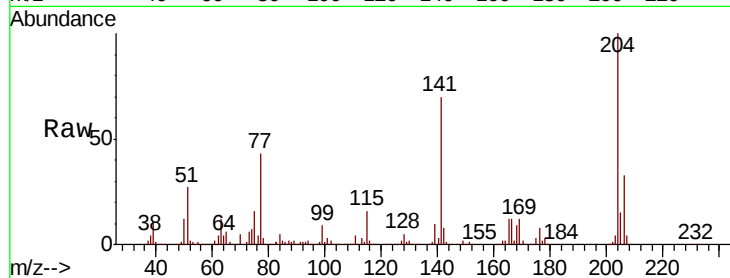
Tot Ion:204 Resp: 358111

Ion Ratio Lower Upper

204 100

206 33.0 26.5 39.7

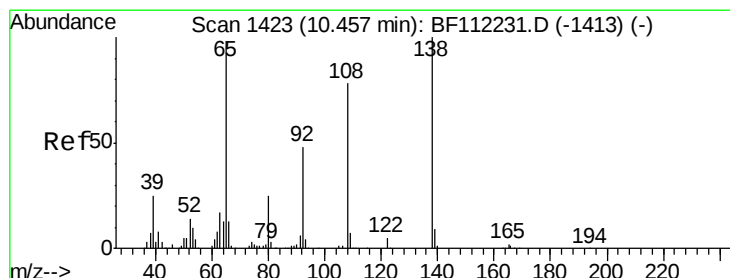
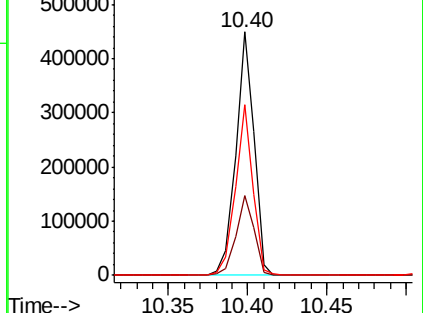
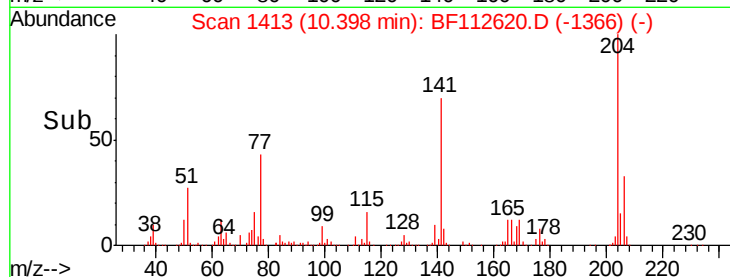
141 70.3 45.9 68.9#



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 39.586 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

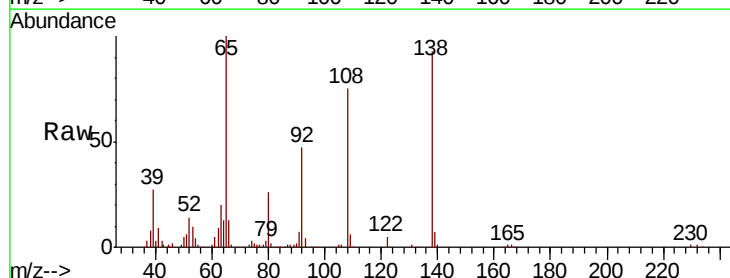
Tgt Ion:138 Resp: 150782

Ion Ratio Lower Upper

138 100

92 50.5 30.6 70.6

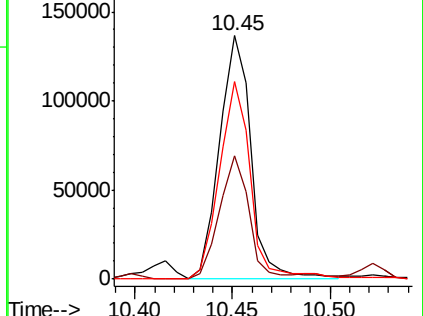
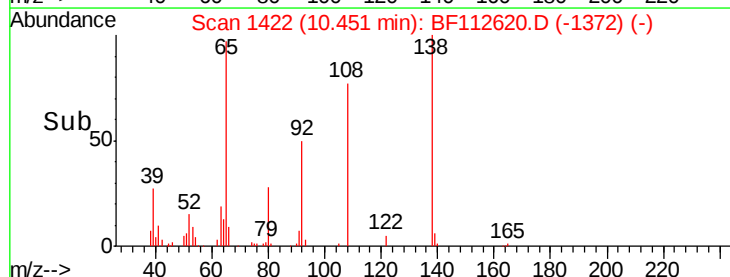
108 80.9 50.0 90.0

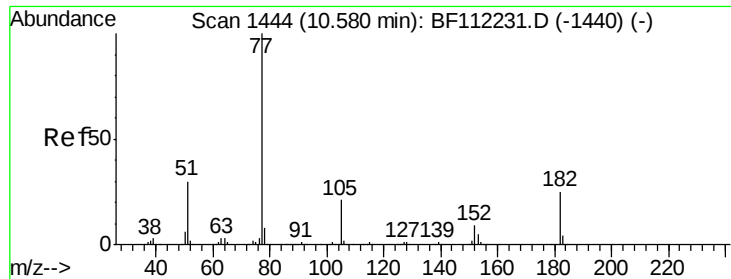


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E

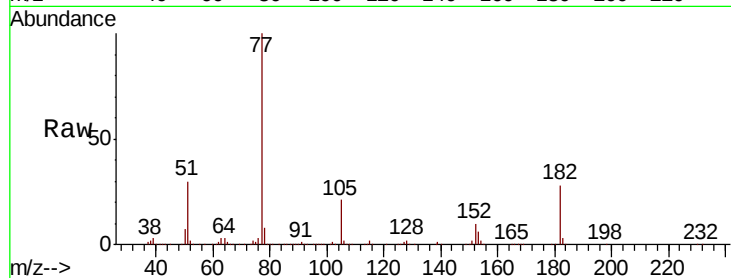




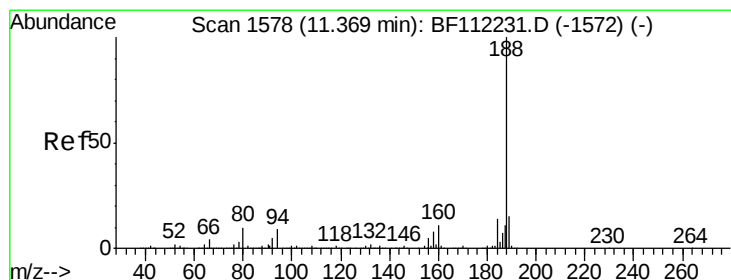
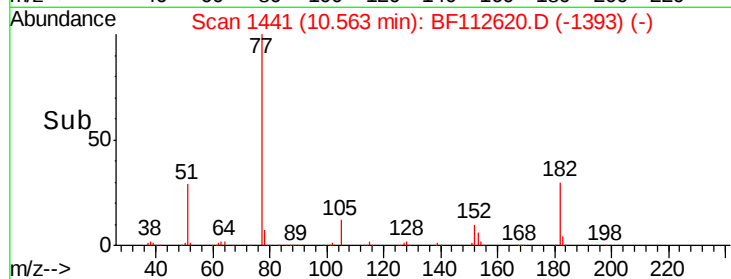
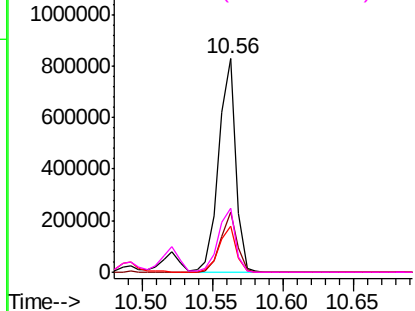
#63  
Azobenzene  
Concen: 49.829 ng  
RT: 10.56 min Scan# 1441  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 77    | Resp: | 696050 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 28.3  | 5.7   | 45.7   |
| 105      | 21.5  | 1.4   | 41.4   |
| 51       | 29.9  | 9.5   | 49.5   |

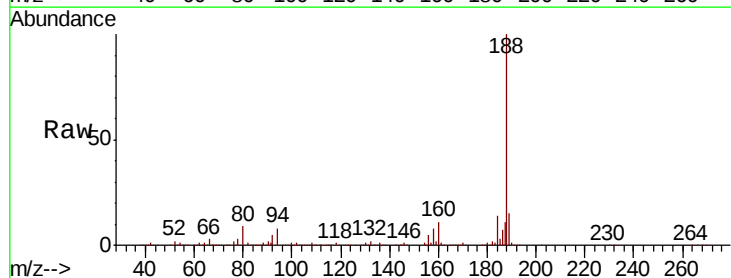


Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

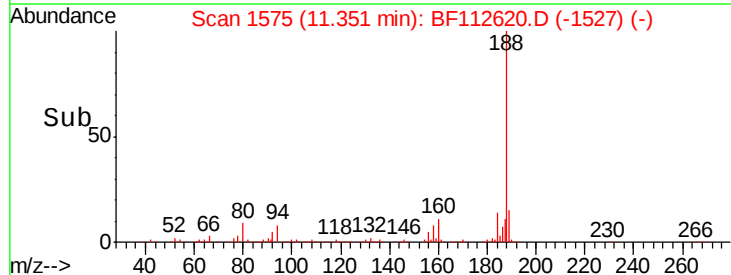
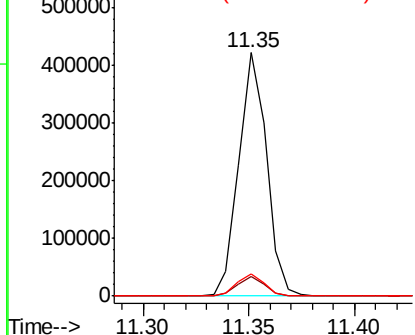


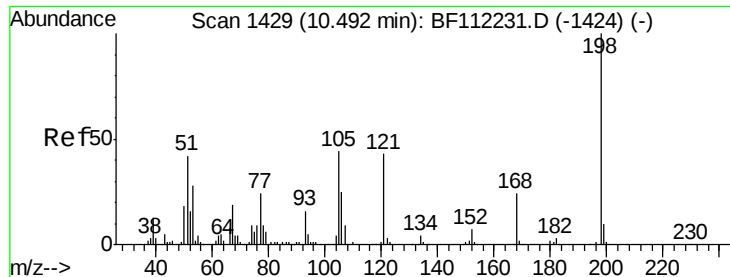
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.35 min Scan# 1575  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 384314 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.0   | 8.2   | 12.2#  |
| 80       | 9.3   | 8.9   | 13.3   |



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 43.230 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

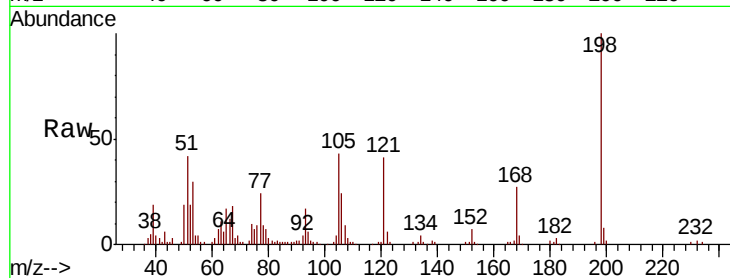
ClientSampleId :

Tot Ion:198 Resp: 93149

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 51  | 41.6  | 17.2  | 57.2  |
| 105 | 43.4  | 21.9  | 61.9  |

51 41.6 17.2 57.2

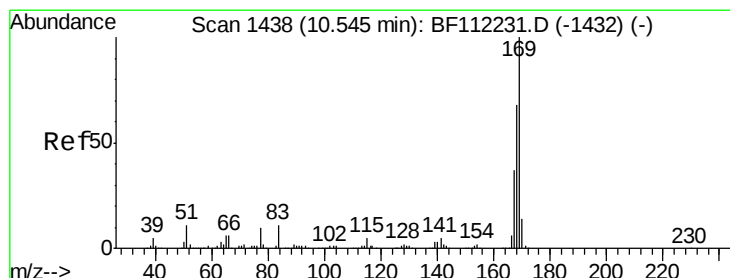
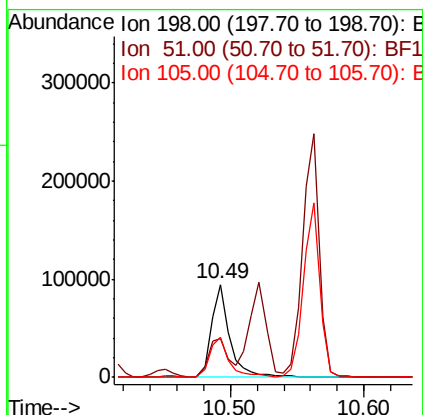
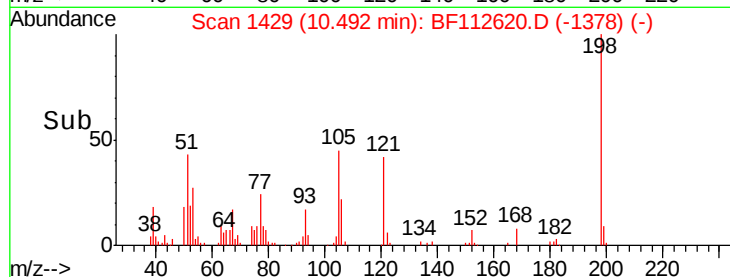
105 43.4 21.9 61.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 47.888 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

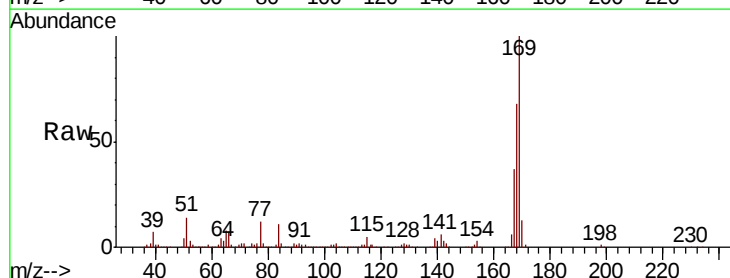
Tgt Ion:169 Resp: 620264

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 68.3  | 53.9  | 80.9  |
| 167 | 36.9  | 28.9  | 43.3  |

169 100

168 68.3 53.9 80.9

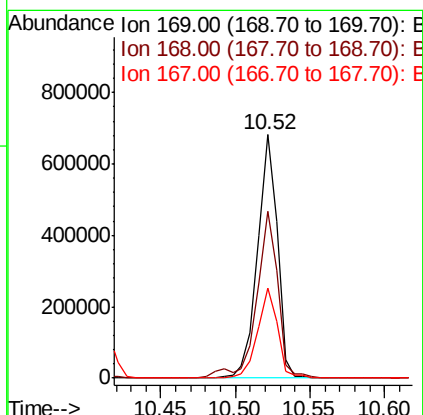
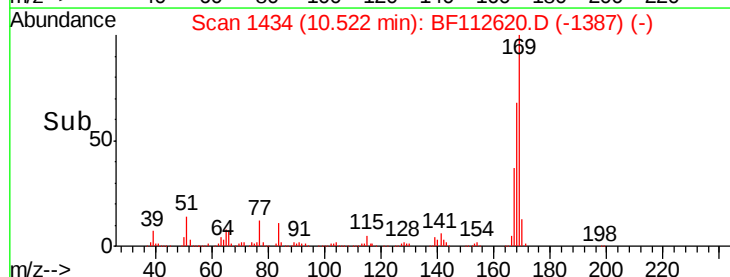
167 36.9 28.9 43.3

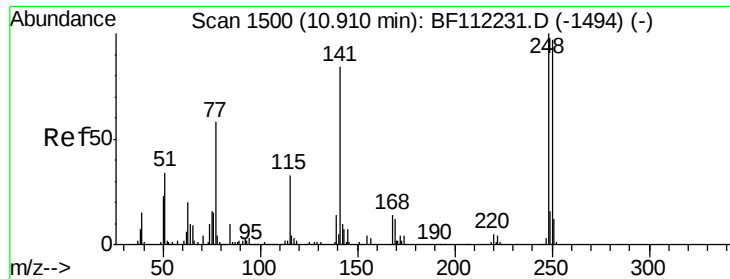


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

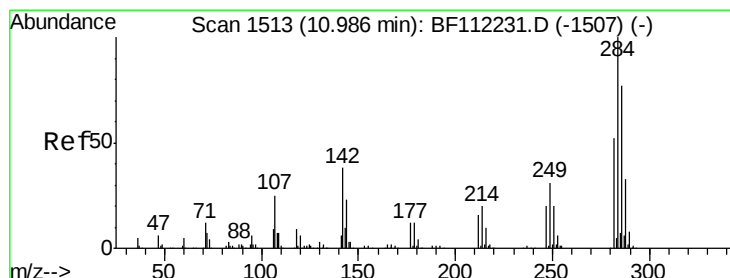
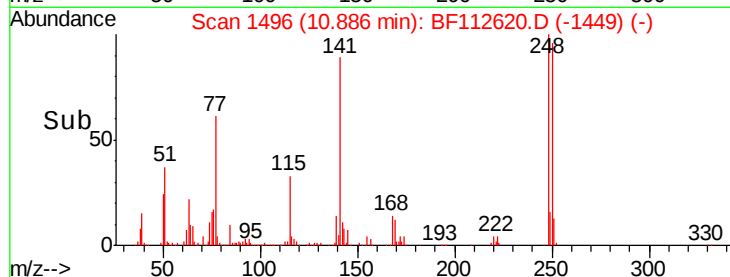
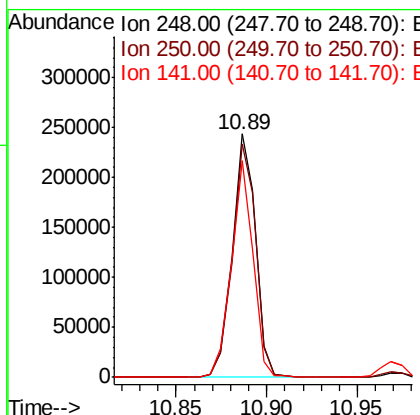
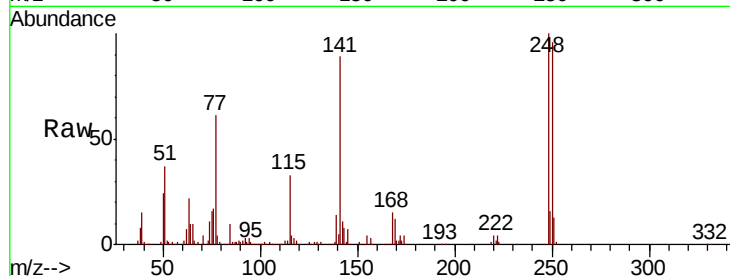




#67  
 4-Bromophenyl-phenylether  
 Concen: 48.104 ng  
 RT: 10.89 min Scan# 1496  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

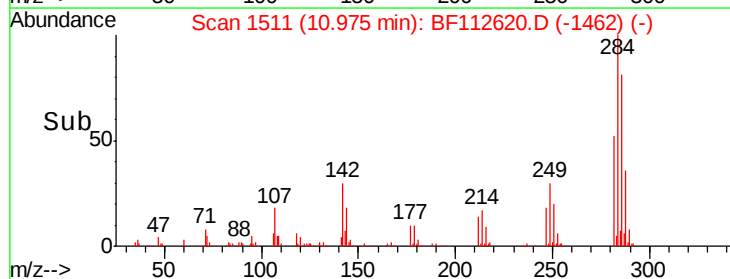
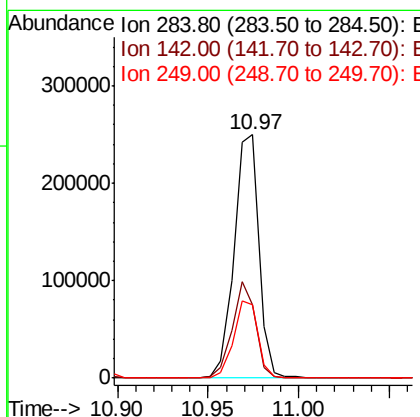
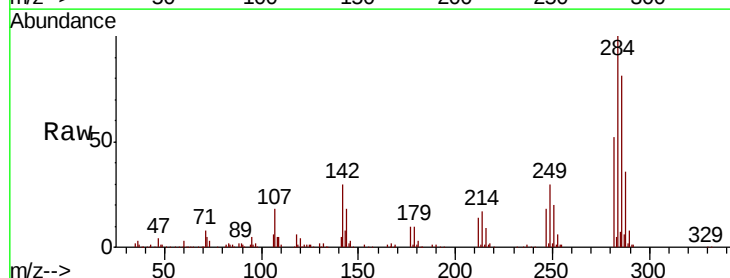
Instrument :  
 BNA\_F  
 ClientSampleId :

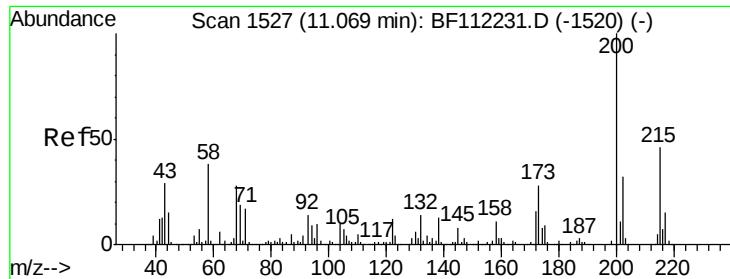
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.1  | 79.7  | 119.5 |
| 141     | 88.9  | 60.3  | 90.5  |



#68  
 Hexachlorobenzene  
 Concen: 49.145 ng  
 RT: 10.97 min Scan# 1511  
 Delta R.T. -0.01 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 30.0  | 27.6  | 41.4  |
| 249     | 30.2  | 24.1  | 36.1  |





#69

Atrazine

Concen: 41.735 ng

RT: 11.05 min Scan# 1524

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampled :

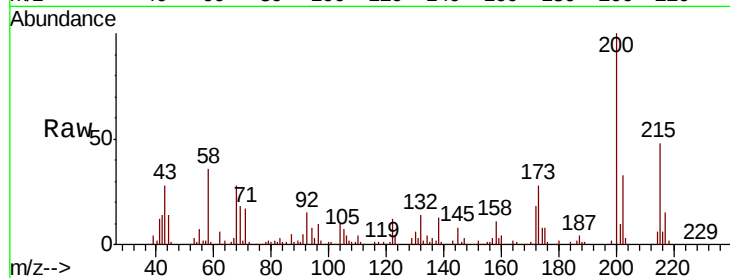
Tot Ion:200 Resp: 174427

Ion Ratio Lower Upper

200 100

173 27.7 7.1 47.1

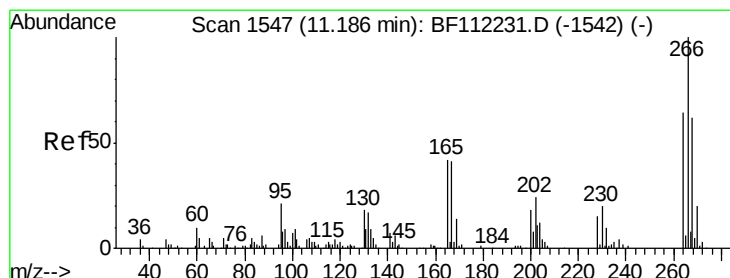
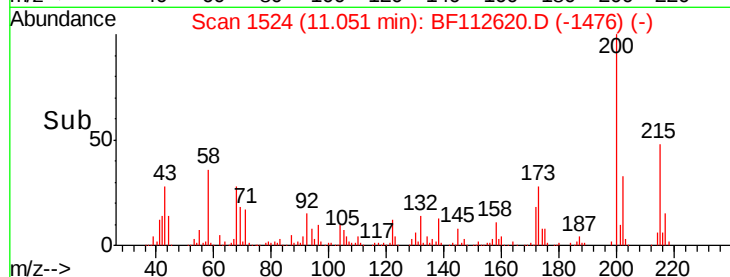
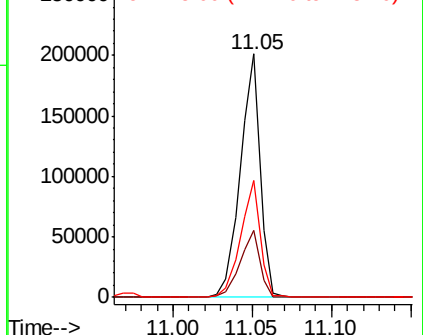
215 47.9 30.4 70.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 74.272 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

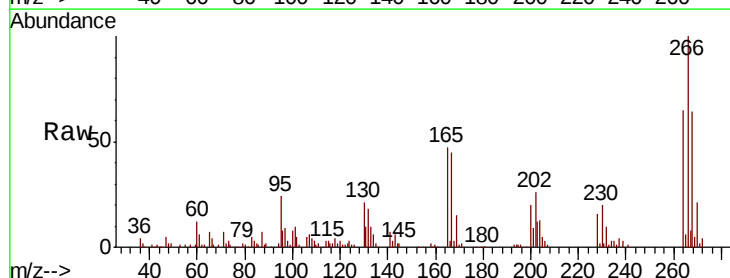
Tgt Ion:266 Resp: 140150

Ion Ratio Lower Upper

266 100

268 63.8 51.2 76.8

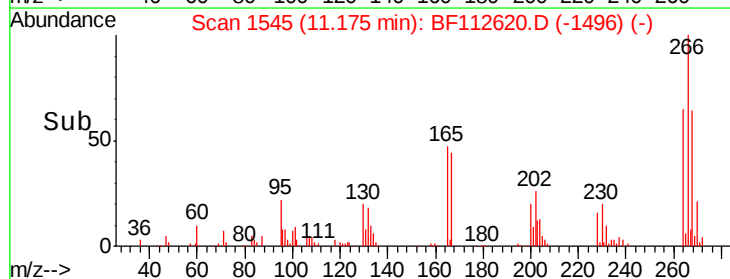
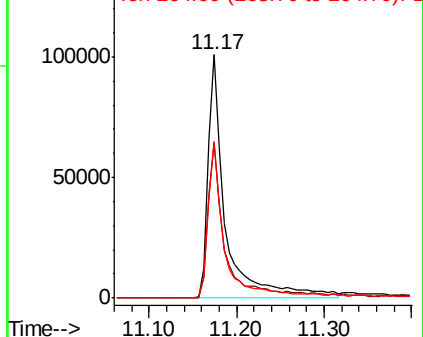
264 64.5 50.9 76.3

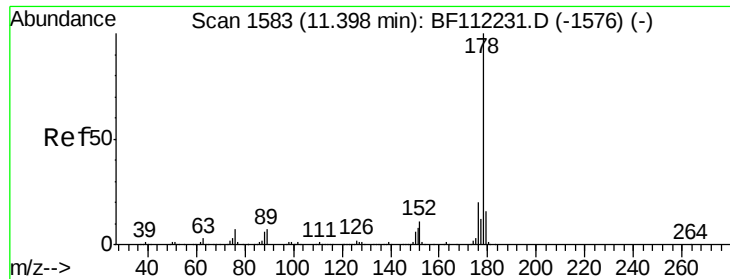


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

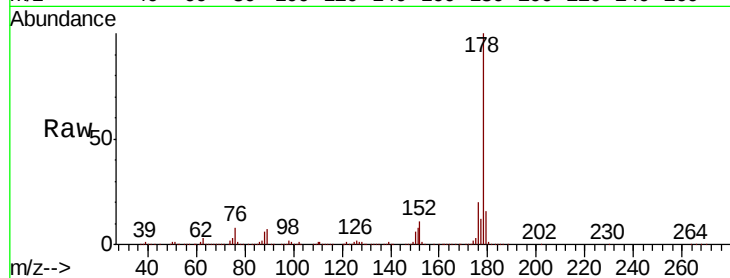




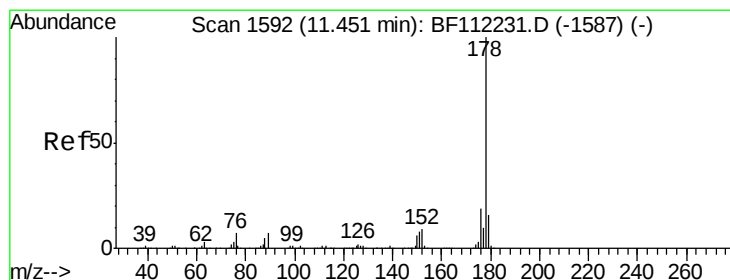
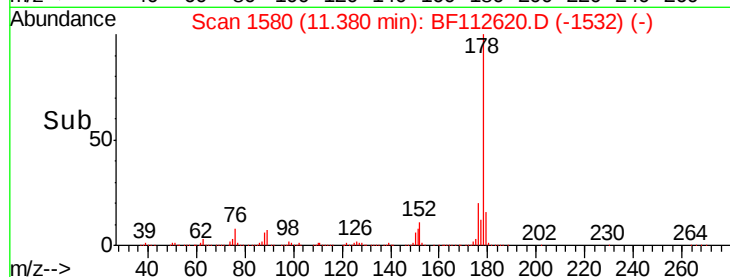
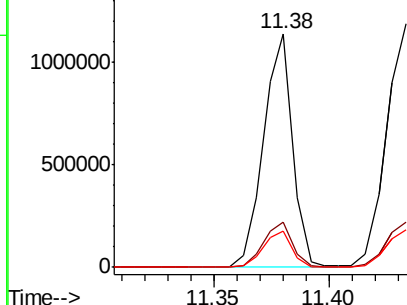
#71  
Phenanthrene  
Concen: 50.060 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:178 Resp: 1000196  
Ion Ratio Lower Upper  
178 100  
176 19.6 16.3 24.5  
179 15.8 13.0 19.4

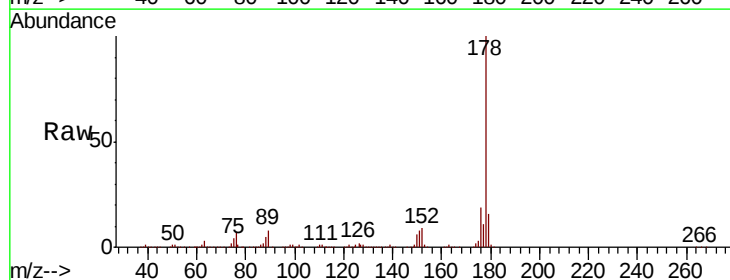


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

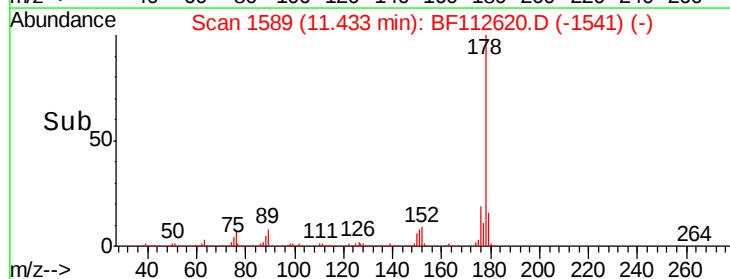
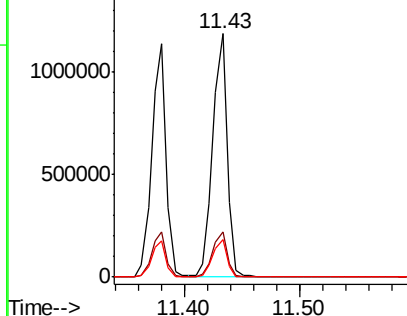


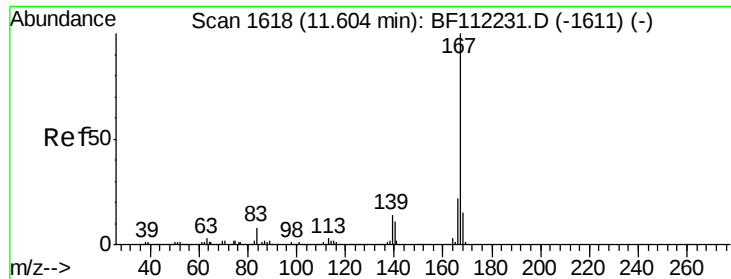
#72  
Anthracene  
Concen: 52.359 ng  
RT: 11.43 min Scan# 1589  
Delta R.T. -0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Tgt Ion:178 Resp: 1042082  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.5 23.3  
179 15.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

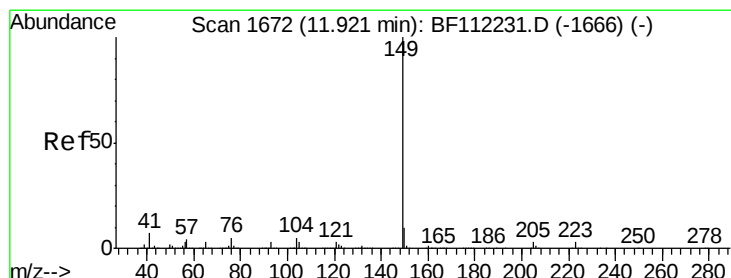
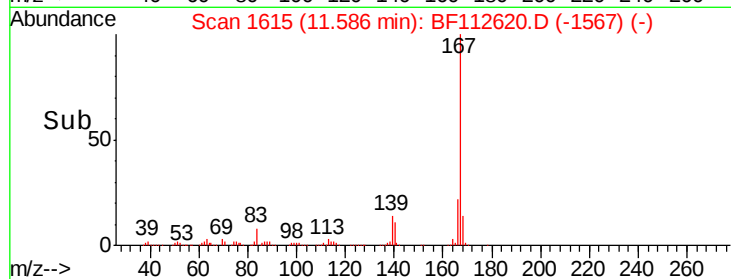
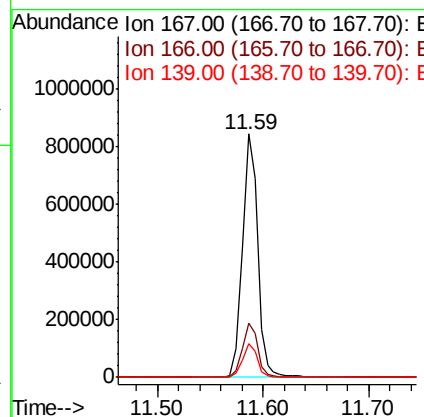
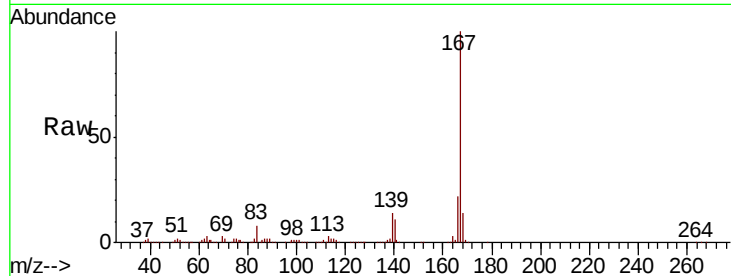




#73  
 Carbazole  
 Concen: 42.351 ng  
 RT: 11.59 min Scan# 1615  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

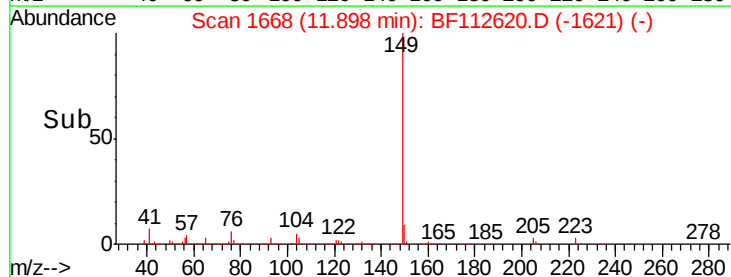
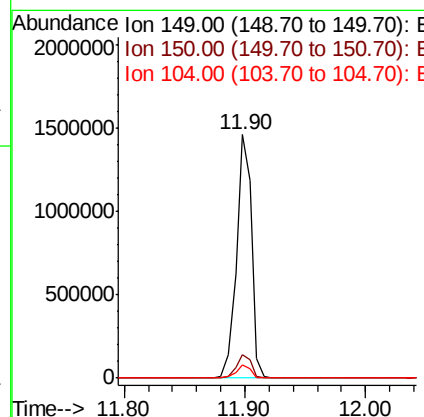
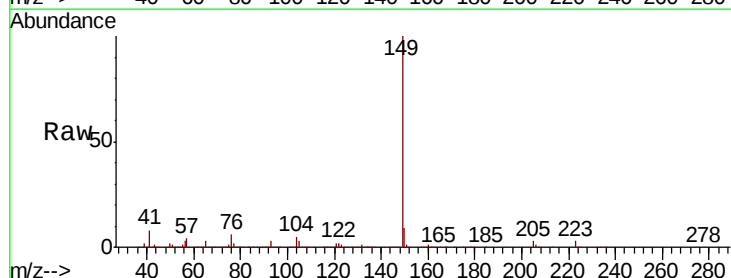
Instrument :  
 BNA\_F  
 ClientSampleId :

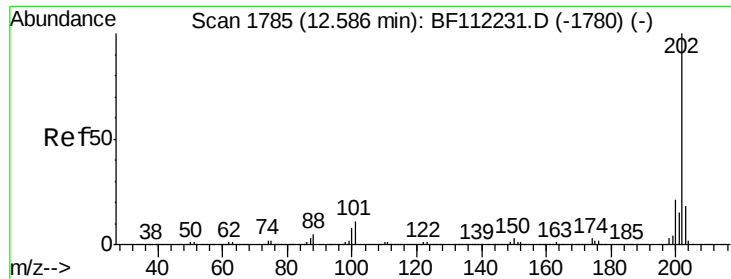
Tot Ion:167 Resp: 831438  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 17.9 26.9  
 139 13.9 10.2 15.2



#74  
 Di-n-butylphthalate  
 Concen: 51.459 ng  
 RT: 11.90 min Scan# 1668  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Tgt Ion:149 Resp: 1253976  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 8.1 12.1  
 104 5.4 3.9 5.9

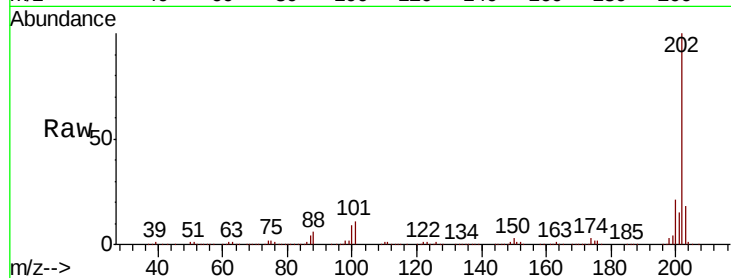




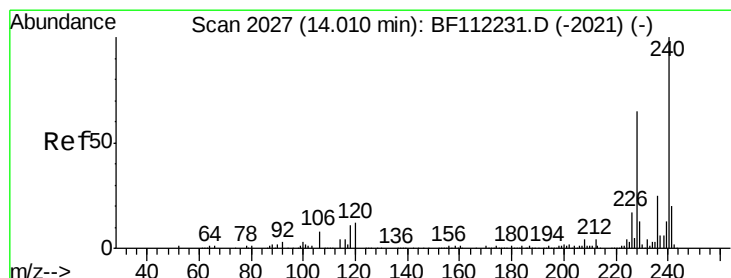
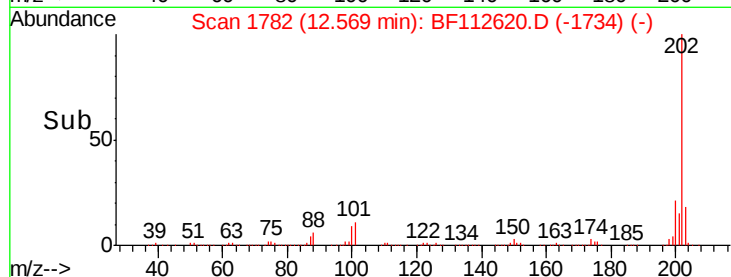
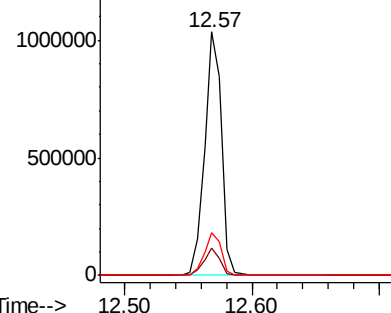
#75  
 Fluoranthene  
 Concen: 45.291 ng  
 RT: 12.57 min Scan# 1782  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.5  | 0.0   | 31.8  |
| 203     | 17.7  | 0.0   | 38.4  |

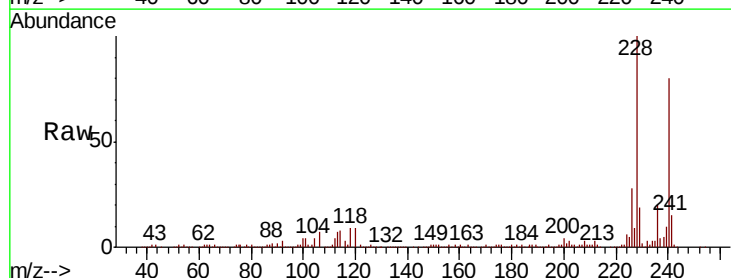


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

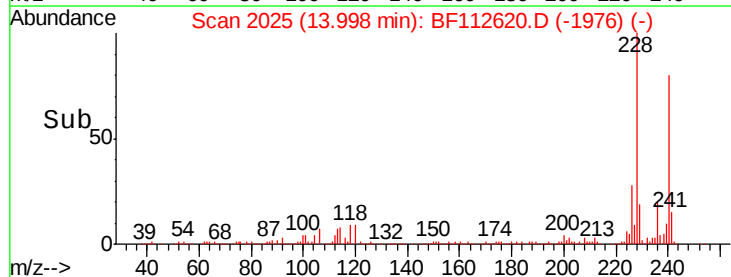
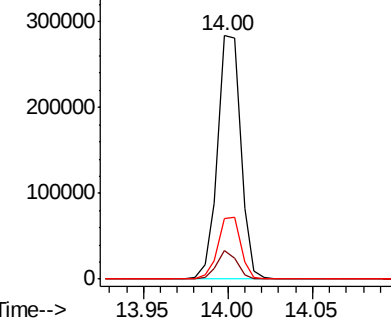


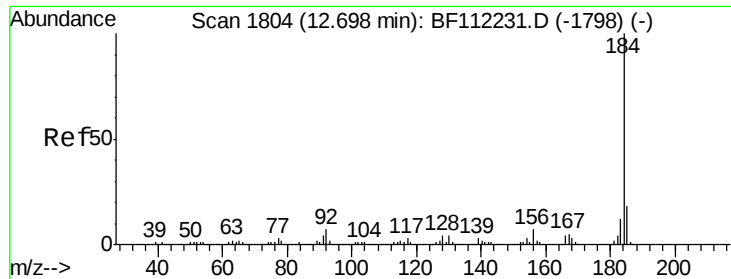
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.00 min Scan# 2025  
 Delta R.T. -0.01 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.6  | 9.0   | 13.6  |
| 236     | 24.7  | 20.7  | 31.1  |



Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 69.331 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

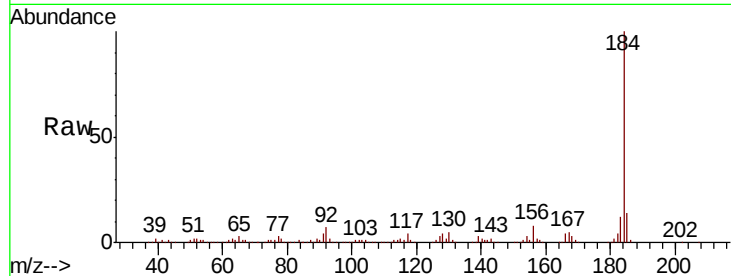
Tot Ion:184 Resp: 517703

Ion Ratio Lower Upper

184 100

185 14.2 13.9 20.9

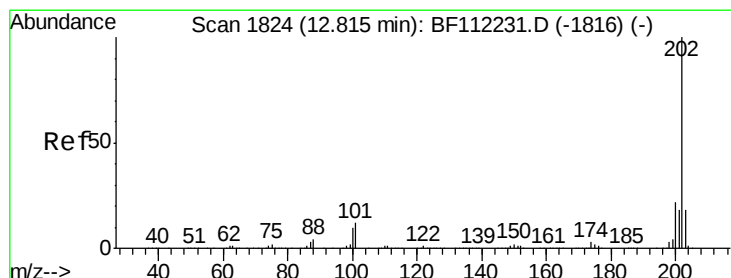
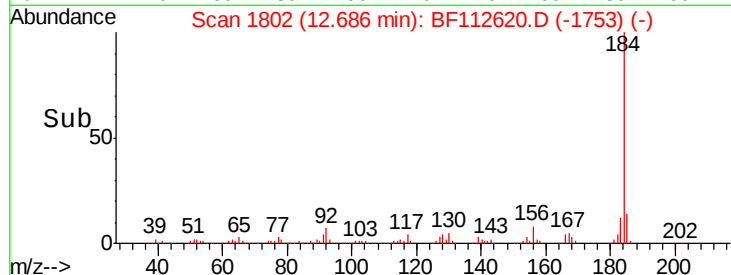
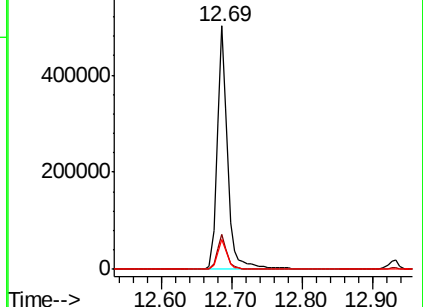
183 12.5 10.0 15.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 50.912 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

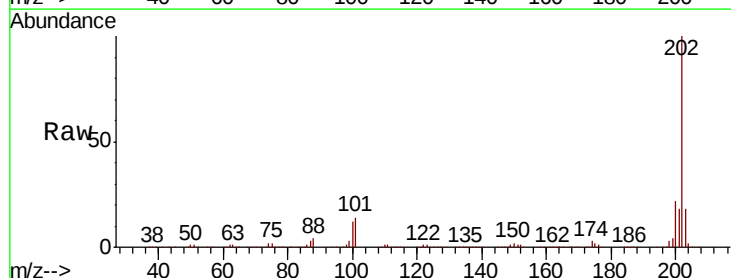
Tgt Ion:202 Resp: 956287

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

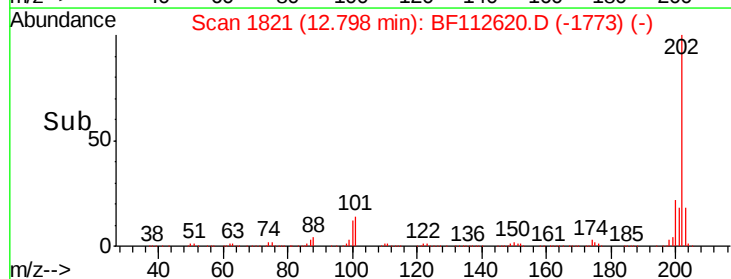
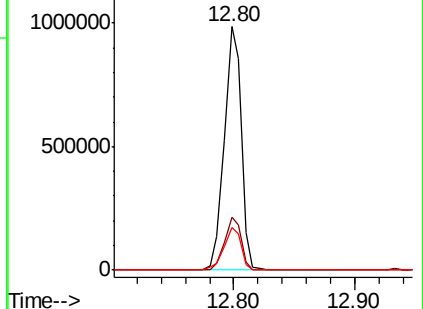
203 17.5 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 86.092 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

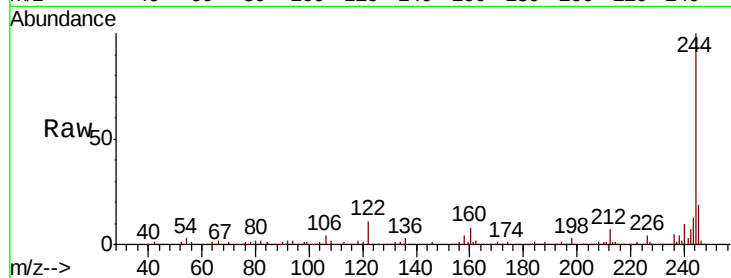
Tot Ion:244 Resp: 1240107

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

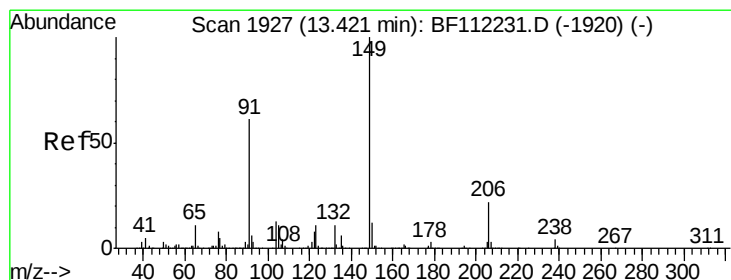
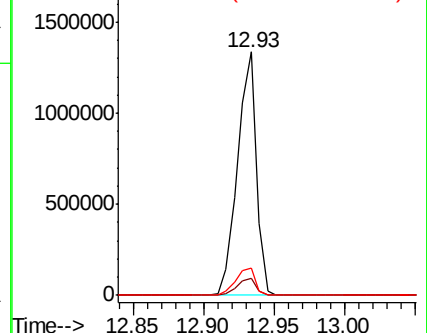
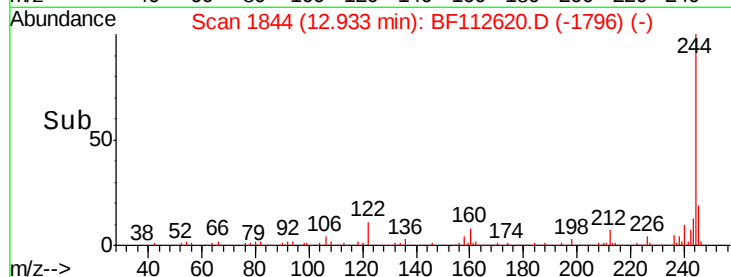
122 11.0 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 51.947 ng

RT: 13.40 min Scan# 1923

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

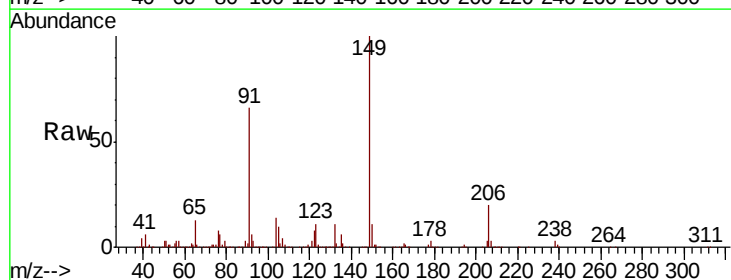
Tgt Ion:149 Resp: 472074

Ion Ratio Lower Upper

149 100

91 66.3 50.3 75.5

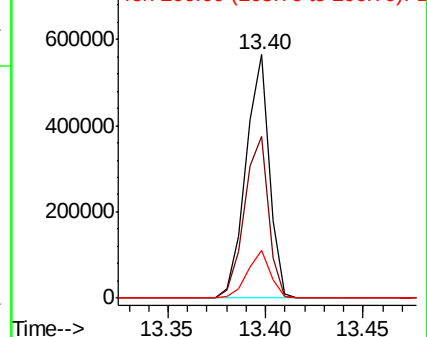
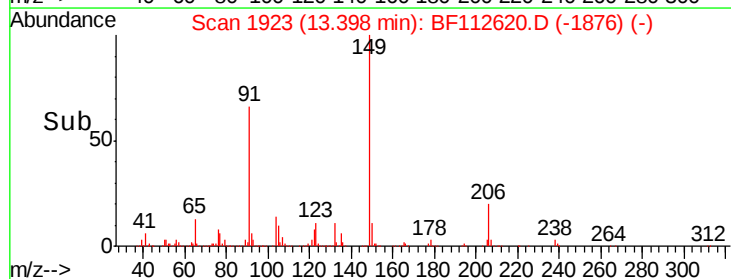
206 19.7 18.2 27.4

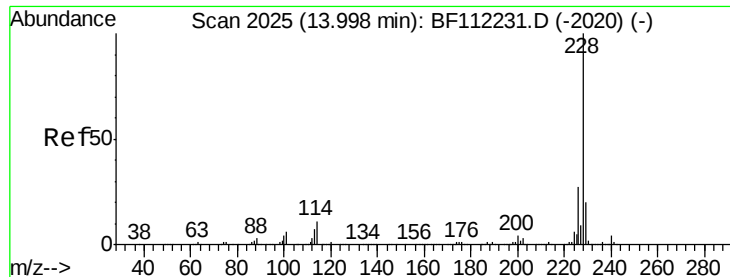


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 50.988 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

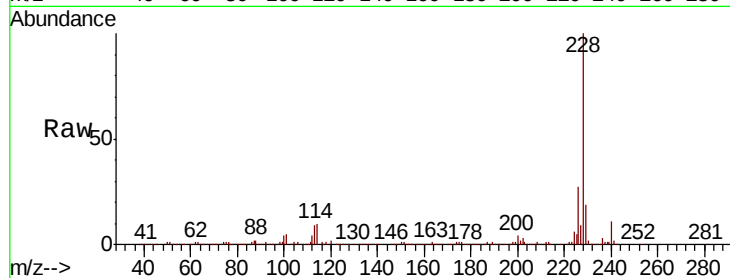
Tot Ion:228 Resp: 813183

Ion Ratio Lower Upper

228 100

226 26.7 22.6 34.0

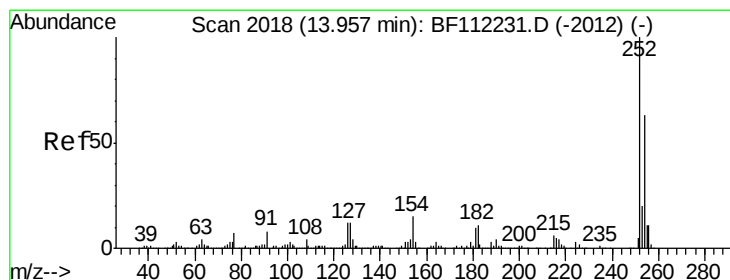
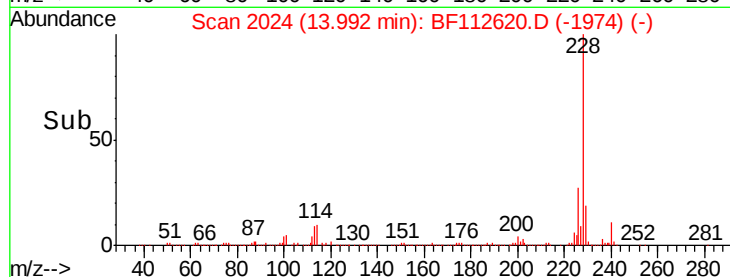
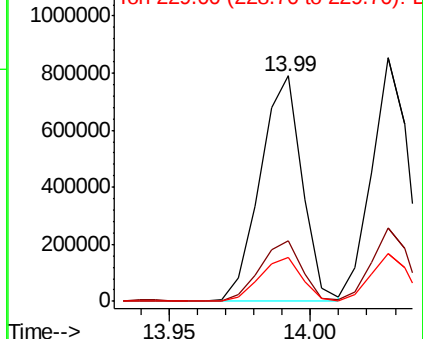
229 19.4 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 38.267 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

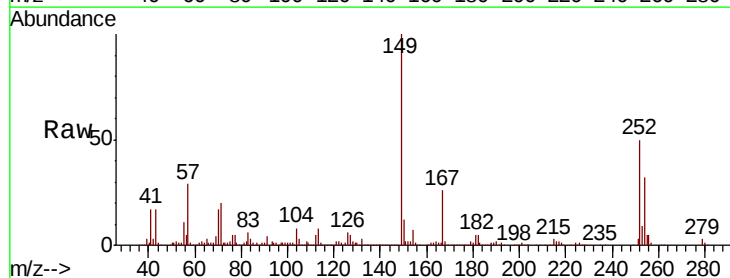
Tgt Ion:252 Resp: 228403

Ion Ratio Lower Upper

252 100

254 64.0 51.6 77.4

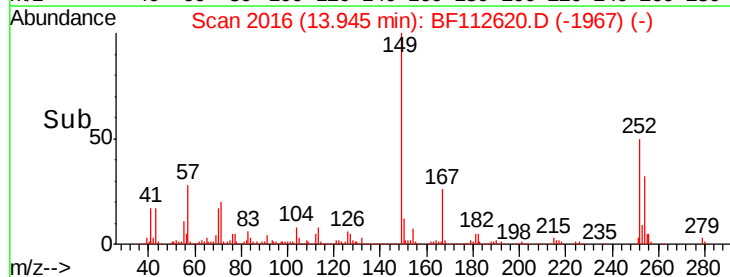
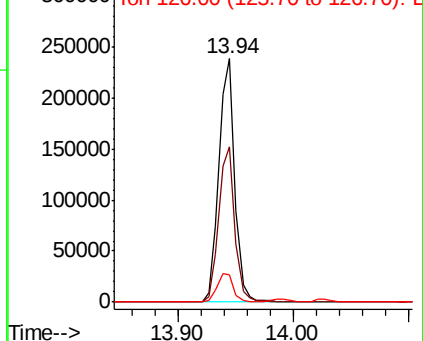
126 11.0 8.6 12.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

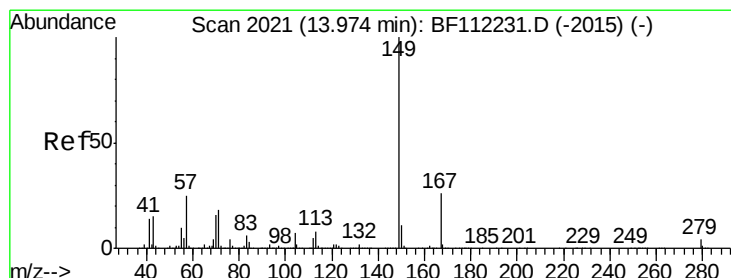
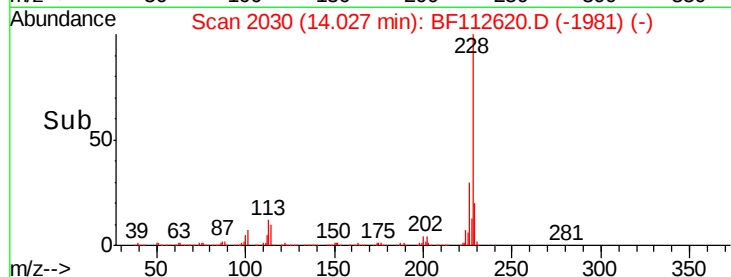
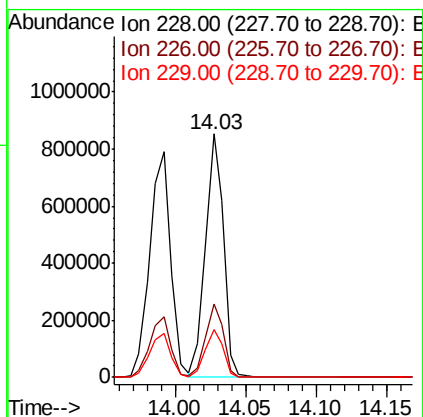
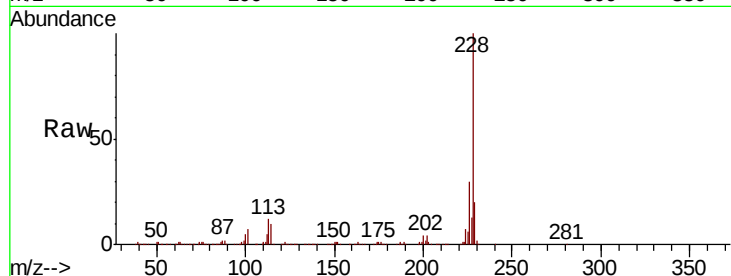




#83  
 Chrysene  
 Concen: 49.610 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

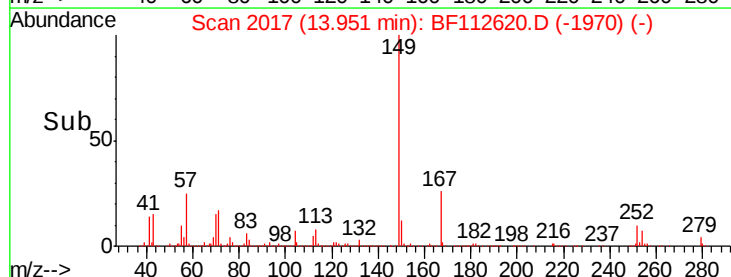
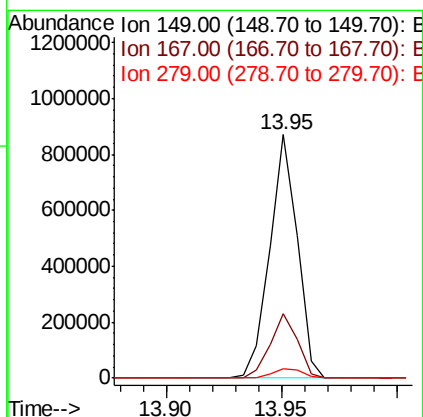
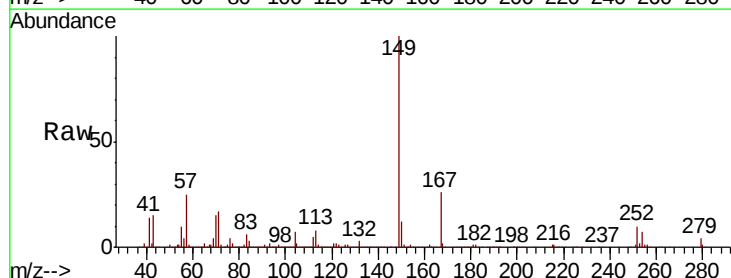
Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.9  | 25.0  | 37.6  |
| 229     | 19.5  | 16.6  | 24.8  |



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 55.969 ng  
 RT: 13.95 min Scan# 2017  
 Delta R.T. -0.02 min  
 Lab File: BF112620.D  
 Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.5  | 22.5  | 33.7  |
| 279     | 4.0   | 3.8   | 5.6   |





#85

Di-n-octyl phthalate

Concen: 56.915 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.02 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampleId :

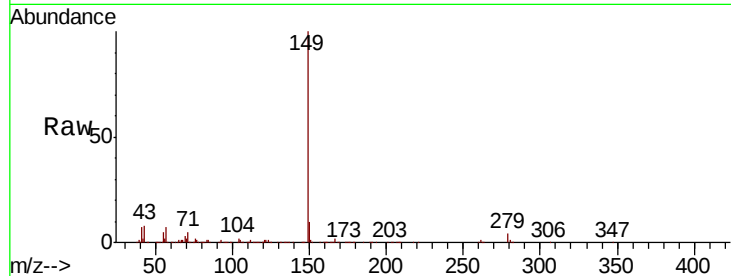
Tot Ion:149 Resp: 1129585

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

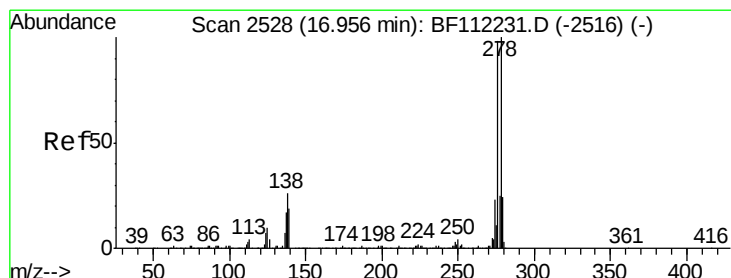
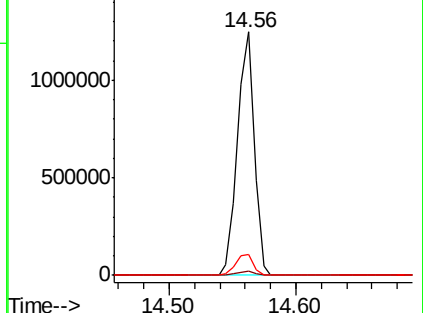
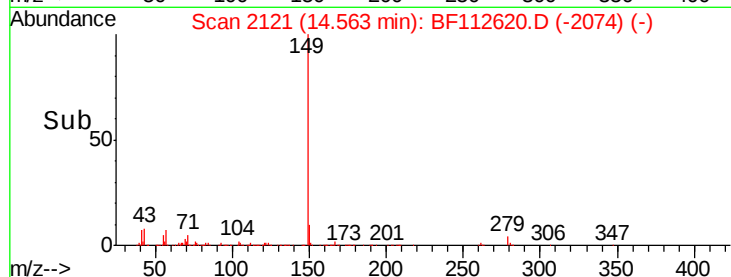
43 8.8 7.8 11.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 72.968 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.03 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

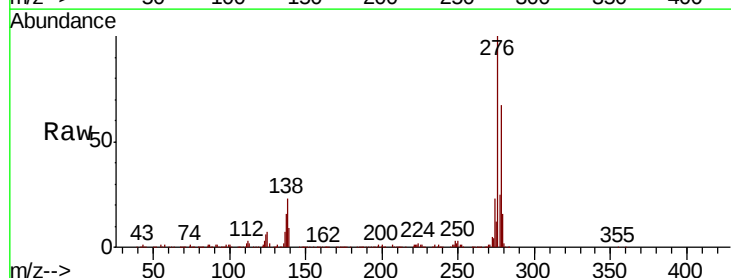
Tgt Ion:276 Resp: 880201

Ion Ratio Lower Upper

276 100

138 24.9 22.6 34.0

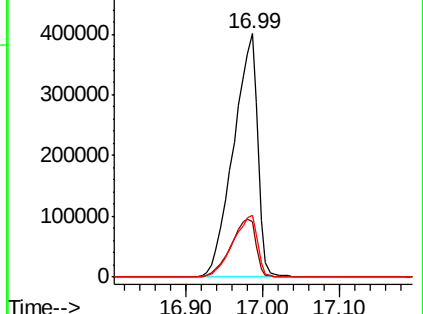
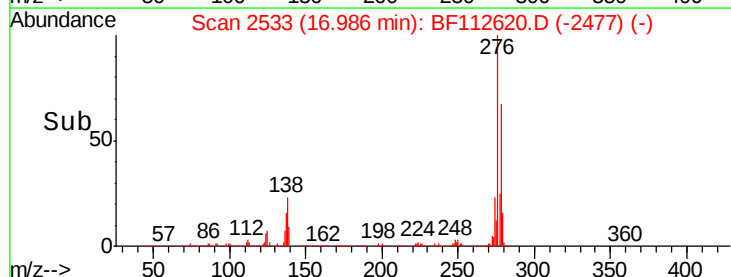
277 25.9 20.3 30.5

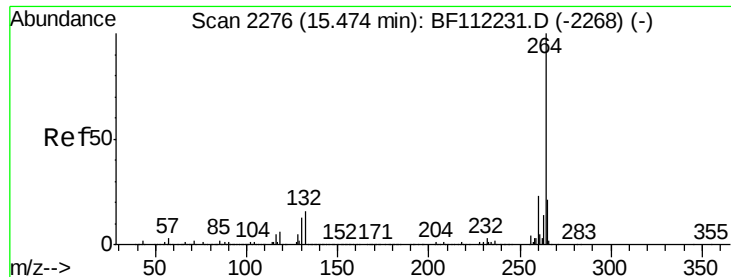


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

Instrument :

BNA\_F

ClientSampled :

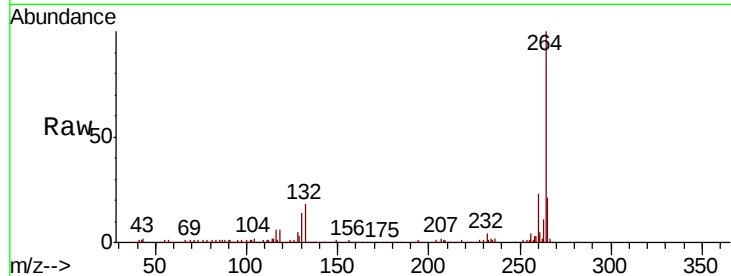
Tot Ion:264 Resp: 262275

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.2

265 21.1 17.0 25.4

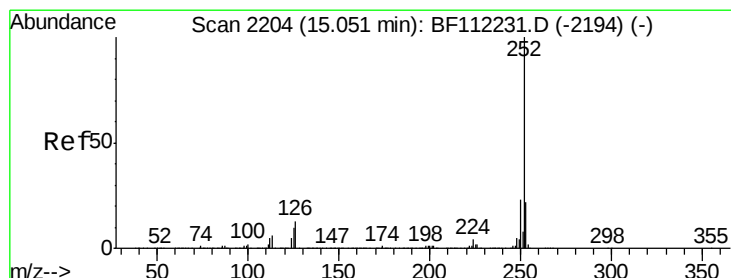
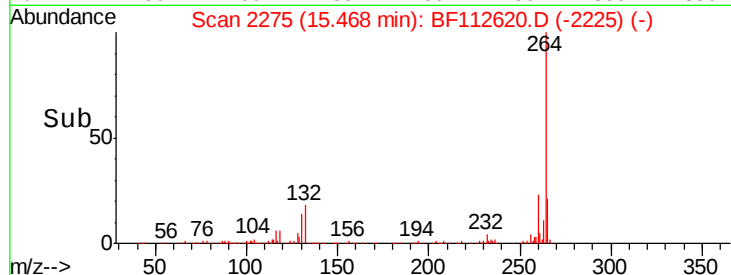
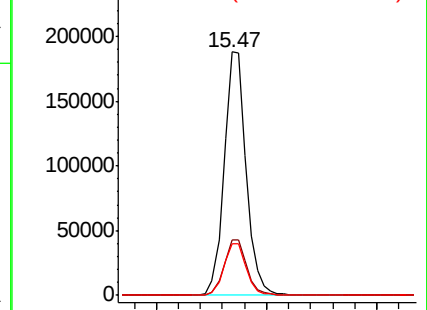


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 47.853 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF112620.D

Acq: 19 Feb 2019 14:50

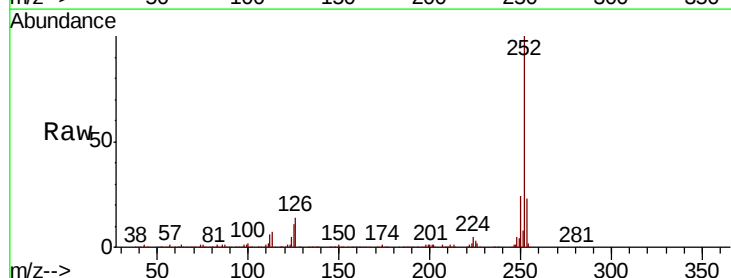
Tgt Ion:252 Resp: 750586

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 10.5 8.7 13.1

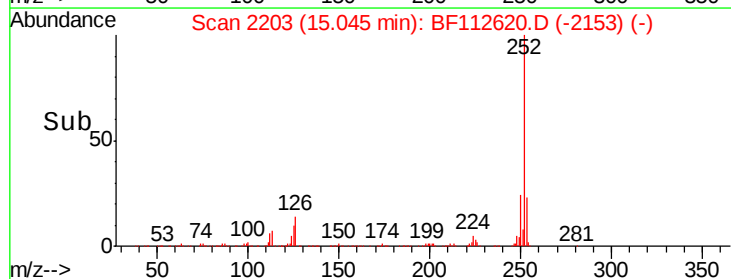
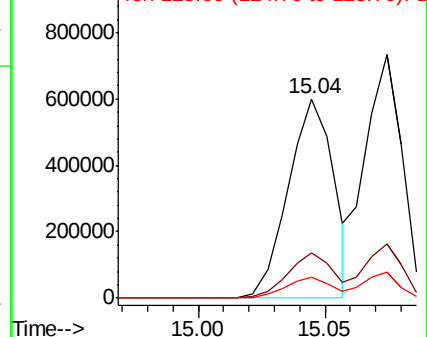


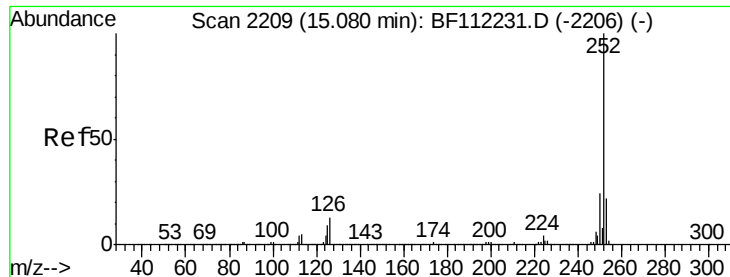
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

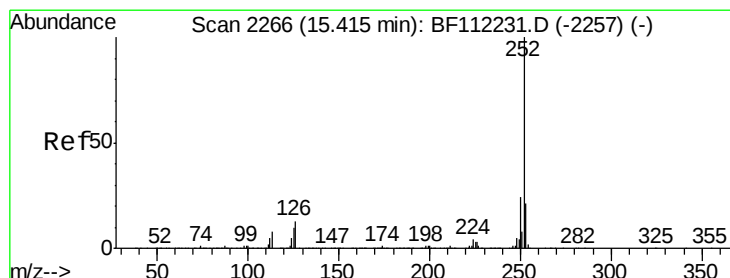
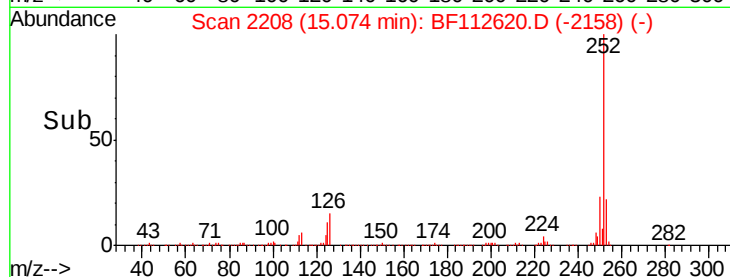
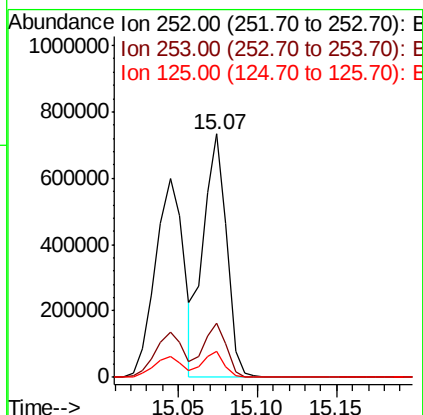
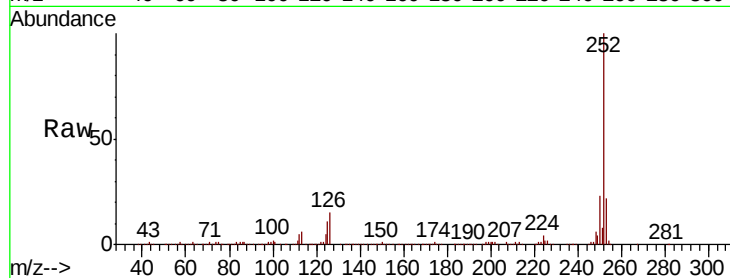




#89  
Benzo(k)fluoranthene  
Concen: 49.973 ng  
RT: 15.07 min Scan# 2208  
Delta R.T. -0.01 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

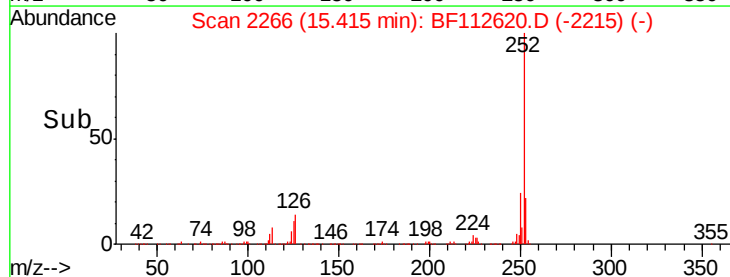
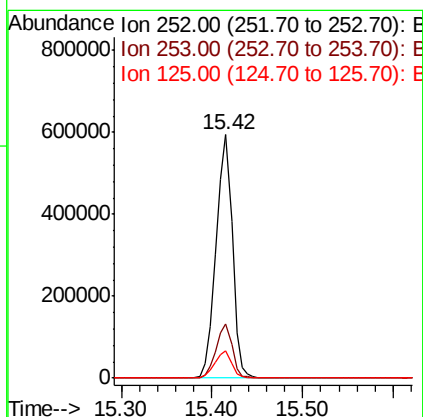
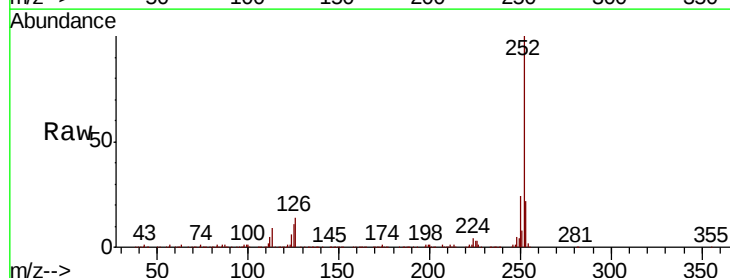
Instrument :  
BNA\_F  
ClientSampleId :

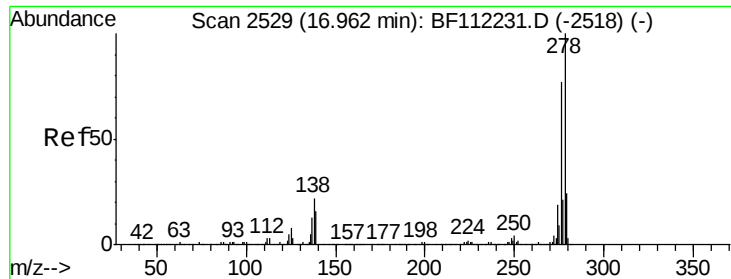
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.0  | 27.0  |
| 125     | 10.6  | 9.1   | 13.7  |



#90  
Benzo(a)pyrene  
Concen: 52.269 ng  
RT: 15.42 min Scan# 2266  
Delta R.T. 0.00 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.5  | 26.3  |
| 125     | 11.3  | 9.0   | 13.4  |

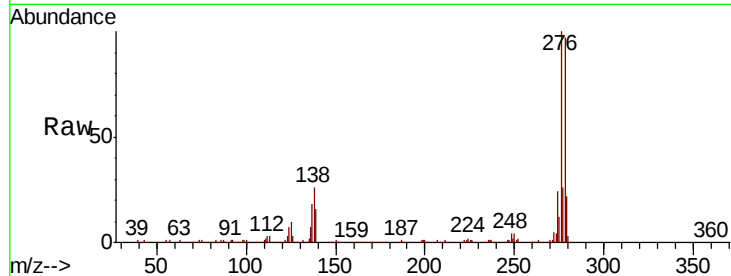




#91  
Dibenzo(a,h)anthracene  
Concen: 64.658 ng  
RT: 16.98 min Scan# 2532  
Delta R.T. 0.02 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 16.4  | 13.7  | 20.5  |
| 279     | 23.1  | 19.0  | 28.6  |

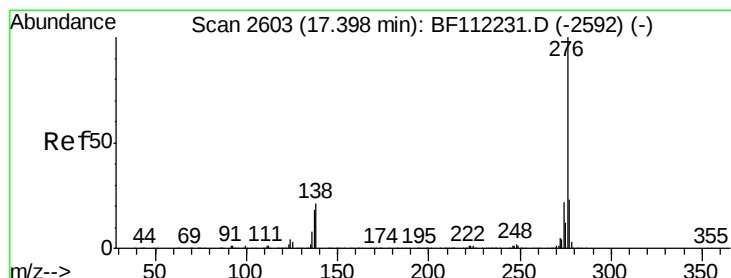
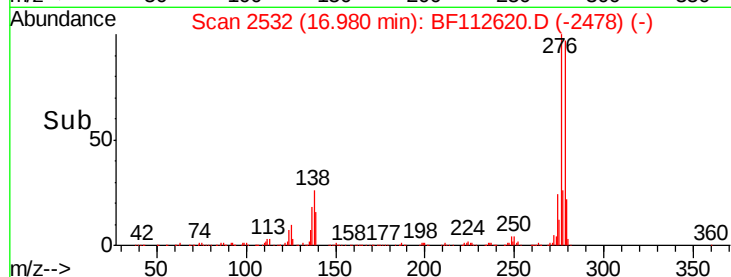
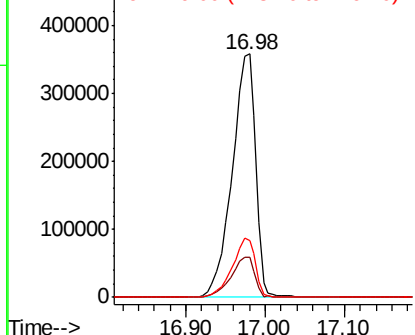


Abundance

Ion 278.00 (277.70 to 278.70): E

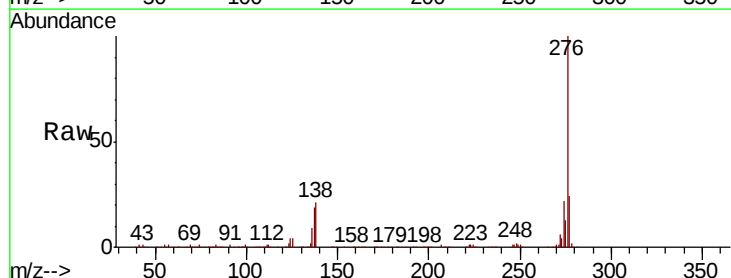
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 66.510 ng  
RT: 17.43 min Scan# 2608  
Delta R.T. 0.03 min  
Lab File: BF112620.D  
Acq: 19 Feb 2019 14:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 19.4  | 29.0  |
| 138     | 20.9  | 19.1  | 28.7  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

